

SEPTEMBER 13 1979

Docket Nos. 50-277/  
and 50-278

### REGULATORY DOCKET FILE COPY

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 Amendment Nos. 5<sup>9</sup> and 5<sup>8</sup> to Facility Operating License Nos. DPR-44 and DPR-56 for the Peach Bottom Atomic Power Station Unit Nos. 2 and 3. The amendments revise the Limiting Conditions for Operation for the Containment Atmospheric Dilution (CAD) System by permitting the system to be inoperable for a period of up to 30 days. These amendments are in response to your telecopied request dated September 11, 1979.

Your submittal indicated that on September 6, 1979 you declared the CAD inoperable as a result of your discovery of an as-built design deficiency. Accordingly, you requested that the Technical Specifications be revised to permit inoperability of the CAD for 30 in lieu of 7 days.

We have reviewed your request to determine the applicability of current licensing practices as set forth in NUREG 0123, "Standard Technical Specifications for General Electric Boiling Water Reactors" to determine their applicability to Peach Bottom. We have determined that they are appropriate based on the fact that the normal containment inerting makeup system can serve as the post-LOCA CAD during the period of time required to affect appropriate modifications to conform the CAD to design requirements. Accordingly, your request conforms to a clearly identified staff position and is acceptable.

We have evaluated the potential for environmental impact of plant operation in accordance with the enclosed amendments. The amendments apply to administrative details. Therefore, we have determined that the amendments do not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendments involve an action which is insignificant from the standpoint of environmental impact and pursuant to 10 CFR Section 51.5(d)(4) that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of these amendments.

#### Distribution

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Mr. Edward G. Bauer, Jr.

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SEPTEMBER 13 1979

Since the amendments apply only to administrative details, they do not involve significant new safety information of a type not considered by a previous Commission safety review of the facility. They do not involve a significant increase in the probability or consequences of an accident, do not involve a significant decrease in a safety margin, and therefore do not involve a significant hazards consideration. We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by this action.

A copy of a related Notice of Issuance is also enclosed.

Sincerely,

Original Signed by  
T. A. Ippolito

Thomas A. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

Enclosures:

1. Amendment No. 58 to DPR-44
2. Amendment No. 58 to DPR-56
3. Notice

cc w/enclosures: See next page

*Consentance as to form only.*  
*No legal objection to*  
*form of amendment to*  
*notice of notice is*  
*submitted or noted by addition of*  
*the phrase "to the extent that the*  
*change currently permitted"*

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| DATE    | 9/12/79   | 9/12/79       | 9/12/79  | 9/12/79 | 9/12/79  | 9/12/79 |

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

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cc:

Eugene J. Bradley  
Philadelphia Electric Company  
Assistant General Counsel  
2301 Market Street  
Philadelphia, Pennsylvania 19101

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York, Pennsylvania 17401

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Assistant Attorney General  
Department of Natural Resources  
Annapolis, Maryland 21401

Philadelphia Electric Company  
ATTN: Mr. W. T. Ullrich  
Peach Bottom Atomic  
Power Station  
Delta, Pennsylvania 17314

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Pennsylvania State Clearinghouse  
Governor's Office of State Planning  
and Development  
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Harrisburg, Pennsylvania 17120

Albert R. Steel, Chairman  
Board of Supervisors  
Peach Bottom Township  
R. D. #1  
Delta, Pennsylvania 17314

Edward Greenman  
U. S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Peach Bottom Atomic Power Station  
P. O. Box 399  
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Director, Technical Assessment  
Division  
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US EPA  
Crystal Mall #2  
Arlington, Virginia 20460

Region III Office  
ATTN: EIS COORDINATOR  
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Philadelphia Electric Company  
2301 Market Street  
Philadelphia, Pennsylvania 19101

Government Publications Section  
State Library of Pennsylvania  
Education Building  
Commonwealth and Walnut Streets  
Harrisburg, Pennsylvania 17126



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. 58  
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 September 11, 1979 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. 58, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

7910090 43 A

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

FOR THE NUCLEAR REGULATORY COMMISSION

  
Thomas A. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: September 13, 1979

ATTACHMENT TO LICENSE AMENDMENT NO. 58

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 page is identified by amendment number and contains vertical lines indicating the area of change.

Remove

171\*  
172

Insert

171\*  
172

\*Overleaf

7910090438

3.7.A Primary Containment

mined to be not more than 3° open as indicated by the position lights.

- c. Two drywell-suppression chamber vacuum breakers may be determined to be inoperable for opening.
- d. If specifications 3.7.A .4.a, .b, or .c cannot be met, the situation shall be corrected within 24 hours or the unit will be placed in a cold shutdown condition in an orderly manner.

5. Oxygen Concentration

- a. After completion of the startup test program and demonstration of plant electrical output, the primary containment atmosphere shall be reduced to less than 4% oxygen with nitrogen gas during reactor power operation with reactor coolant pressure above 100 psig, except as specified in 3.7.A.5.b.
- b. Within the 24-hour period subsequent to placing the reactor in the Run mode following a shutdown, the containment atmosphere oxygen concentration shall be reduced to less than 4% by volume and maintained in this condition. De-inerting may commence 24 hours prior to a shutdown.

3.7.A Primary Containment

operability is required, all other vacuum breaker valves shall be exercised immediately and every 15 days thereafter until the inoperable valve has been returned to normal service.

- c. Once each operating cycle, each vacuum breaker valve shall be visually inspected to insure proper maintenance and operation.
- d. A leak test of the drywell to suppression chamber structure shall be conducted at each refueling to assure no bypass larger than or equivalent to one inch diameter hole exists between the drywell and suppression chamber.

5. Oxygen Concentration

The primary containment oxygen concentration shall be measured and recorded at least twice weekly.

3.7.A Primary Containment6. Containment Atmosphere Dilution

- a. Whenever either reactor is in power operation, the Post-LOCA Containment Atmosphere Dilution System must be operable and capable of supplying nitrogen to either Unit 2 or Unit 3 containment for atmosphere dilution if required by post-LOCA conditions. If this specification cannot be met, the system must be restored to an operable condition within 30 days or both reactors must be taken out of power operation.
- b. Whenever either reactor is in power operation, the post-LOCA Containment Atmosphere Dilution System shall contain a minimum of 2000 gallons of liquid N<sub>2</sub>. If this specification cannot be met, the minimum volume will be restored within 30 days or both reactors must be taken out of power operation.
- c. Whenever either of the reactors is in power operation, there shall be at least one CAD system H<sub>2</sub> and O<sub>2</sub> analyzer serving the drywell and one CAD system H<sub>2</sub> and O<sub>2</sub> analyzer serving the suppression chamber on that reactor. If this specification cannot be met,

4.7.A Primary Containment6. Containment Atmosphere Dilution

- a. The post-LOCA containment atmosphere dilution system shall be functionally tested once per operating cycle.
- b. The level in the liquid N<sub>2</sub> storage tank shall be recorded weekly.
- c. \* The containment oxygen analyzing system shall be functionally tested twice per week in conjunction with specification 4.7.A.5. The oxygen analyzer shall be calibrated once per 6 months.





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. 58  
License No. DPR-56

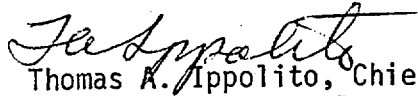
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Philadelphia Electric Company, et al. (the licensee) dated September 11, 1979 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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. 58, 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 its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Thomas A. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: September 13, 1979

ATTACHMENT TO LICENSE AMENDMENT NO. 58

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 page is indicated by amendment number and contains vertical lines indicating the area of change.

Remove

171\*  
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Insert

171\*  
172

\*Overleaf

3.7.A Primary Containment

mined to be not more than 3° open as indicated by the position lights.

- c. Two drywell-suppression chamber vacuum breakers may be determined to be inoperable for opening.
- d. If specifications 3.7.A .4.a, .b, or .c cannot be met, the situation shall be corrected within 24 hours or the unit will be placed in a cold shutdown condition in an orderly manner.

5. Oxygen Concentration

- a. After completion of the startup test program and demonstration of plant electrical output, the primary containment atmosphere shall be reduced to less than 4% oxygen with nitrogen gas during reactor power operation with reactor coolant pressure above 100 psig, except as specified in 3.7.A.5.b.
- b. Within the 24-hour period subsequent to placing the reactor in the Run mode following a shutdown, the containment atmosphere oxygen concentration shall be reduced to less than 4% by volume and maintained in this condition. De-inerting may commence 24 hours prior to a shutdown.

3.7.A Primary Containment

operability is required, all other vacuum breaker valves shall be exercised immediately and every 15 days thereafter until the inoperable valve has been returned to normal service.

- c. Once each operating cycle, each vacuum breaker valve shall be visually inspected to insure proper maintenance and operation.
- d. A leak test of the drywell to suppression chamber structure shall be conducted at each refueling to assure no bypass larger than or equivalent to one inch diameter hole exists between the drywell and suppression chamber.

5. Oxygen Concentration

The primary containment oxygen concentration shall be measured and recorded at least twice weekly.

3.7.A Primary Containment6. Containment Atmosphere Dilution

- a. Whenever either reactor is in power operation, the Post-LOCA Containment Atmosphere Dilution System must be operable and capable of supplying nitrogen to either Unit 2 or Unit 3 containment for atmosphere dilution if required by post-LOCA conditions. If this specification cannot be met, the system must be restored to an operable condition within 30 days or both reactors must be taken out of power operation.
- b. Whenever either reactor is in power operation, the post-LOCA Containment Atmosphere Dilution System shall contain a minimum of 2000 gallons of liquid N<sub>2</sub>. If this specification cannot be met, the minimum volume will be restored within 30 days or both reactors must be taken out of power operation.
- c. Whenever either of the reactors is in power operation, there shall be at least one CAD system H<sub>2</sub> and O<sub>2</sub> analyzer serving the drywell and one CAD system H<sub>2</sub> and O<sub>2</sub> analyzer serving the suppression chamber on that reactor. If this specification cannot be met,

4.7.A Primary Containment6. Containment Atmosphere Dilution

- a. The post-LOCA containment atmosphere dilution system shall be functionally tested once per operating cycle.
- b. The level in the liquid N<sub>2</sub> storage tank shall be recorded weekly.
- c. \* The containment oxygen analyzing system shall be functionally tested twice per week in conjunction with specification 4.7.A.5. The oxygen analyzer shall be calibrated once per 6 months.

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKETS NOS. 50-277 AND 50-278PHILADELPHIA ELECTRIC COMPANY, ET AL.NOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY  
OPERATING LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment Nos. 58 and 58 to Facility Operating License Nos. DPR-44 and DPR-56, issued to Philadelphia Electric Company, Public Service Electric and Gas Company, Delmarva Power and Light Company, and Atlantic City Electric Company, which revised Technical Specifications for operation of the Peach Bottom Atomic Power Station, Units Nos. 2 and 3 (the facility) located in York County, Pennsylvania. The amendments are effective as of the date of issuance.

The amendments revise the Limiting Conditions for Operation for the Containment Atmosphere Dilution System by permitting the system to be inoperable for a period of up to 30 days rather than for the 7 days currently permitted.

The application for the amendments complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendments. Prior public notice of these amendments was not required since the amendments do not involve a significant hazards consideration.

The Commission has determined that the issuance of these amendments will not result in any significant environmental impact and that pursuant to 10 CFR §1.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of these amendments.

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For further details with respect to this action, see (1) the application for amendment dated September 11, 1979, (2) Amendment Nos. 58 and 58 to License Nos. DPR-44 and DPR-56, and (3) the Commission's letter dated September 13, 1979. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. and at the Government Publications Section, State Library of Pennsylvania, Education Building, Commonwealth and Walnut Streets, Harrisburg, Pennsylvania. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda Maryland this 13th day of September 1979.

FOR THE NUCLEAR REGULATORY COMMISSION



Thomas A. Ippolito, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors