

FEBRUARY 16 1978

Docket No. 50-278

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

Gentlemen:

The Commission has issued the enclosed Amendment No. 36 to Facility Operating License No. DPR-56 for the Peach Bottom Atomic Power Station, Unit No. 3. The amendment consists of changes to the Technical Specifications and is in response to your request dated February 3, 1978.

The amendment will revise the Technical Specifications related to Safety Related Snubbers by deleting two of the HPCI snubbers (which have been replaced by rigid support struts) from the list of snubbers requiring periodic surveillance to assure their operability.

Copies of the Safety Evaluation and the FEDERAL REGISTER Notice are also enclosed.

Sincerely,

Original signed by

George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Enclosures:

1. Amendment No. 38
2. Safety Evaluation
3. FEDERAL REGISTER Notice

cc w/enclosures:
see next page

*SEE PREVIOUS YELLOW FOR CONCURRENCES

OFFICE	ORB#3	ORB#3	ORB#2	OELD	ORB#3	EB
SURNAME	*CParrish	*DVerrelli:ar	*RSnaider	*MCutchin	G. Lear	*Shao
DATE	2/14/78	2/14/78	2/14/78	2/14/78	2/16/78	2/14/78

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Docket No. 50-278

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

Gentlemen:

The Commission has issued the enclosed Amendment No. 15 to Facility Operating License No. DPR-56 for the Peach Bottom Atomic Power Station, Unit No. 3. The amendment consists of changes to the Technical Specifications and is in response to your request dated February 3, 1978.

The amendment will revise the Technical Specifications related to Safety Related Snubbers by deleting two of the HPCI snubbers (which have been replaced by rigid support struts) from the list of snubbers requiring periodic surveillance to assure their operability.

Copies of the Safety Evaluation and the FEDERAL REGISTER Notice are also enclosed.

Sincerely,

George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Enclosures:

1. Amendment No.
2. Safety Evaluation
3. FEDERAL REGISTER Notice

cc w/enclosures:
see next page

OFFICE	ORB#3	ORB#3	ORB#2	OELD	ORB#3	EB
SURNAME	CParrish	DVerrelli:acr	RSnaider	CUTCHIN	Glear	SHAD
DATE	2/ 14 /78	2/ 17 /78	2/ 14 /78	2/ 14 /78	2/ /78	2/14/78

cc:

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

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U. S. Environmental Protection Agency
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Washington, D. C. 20460

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1747 Pennsylvania Avenue, N. W.
Washington, D. C. 20006

U. S. Environmental Protection Agency
Region III Office
ATTN: EIS COORDINATOR
Curtis Building (Sixth Floor)
6th and Walnut Streets
Philadelphia, Pennsylvania 19106

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Philadelphia Electric Company
2301 Market Street
Philadelphia, Pennsylvania 19101

Warren K. Rich, Esquire
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

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

Mr. R. A. Heiss, Coordinator
Pennsylvania State Clearinghouse
Governor's Office of State Planning
and Development
P. O. Box 1323
Harrisburg, Pennsylvania 17120

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



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. 38
License No. DPR-56

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Philadelphia Electric Company, Public Service Electric and Gas Company, Delmarva Power and Light Company, and Atlantic City Electric Company (the licensees), dated February 3, 1978, 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. 38, 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



George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors

Attachment:
Changes to the Technical
Specifications

Date of Issuance: February 16, 1978

ATTACHMENT TO LICENSE AMENDMENT NO. 38
TO THE TECHNICAL SPECIFICATIONS
FACILITY OPERATING LICENSE NO. DPR-56
DOCKET NO. 50-278

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change.

Remove

2341

Replace

2341

PBAPS Unit No. 3

Table 3.11.D.1

Safety Related Shock Suppressors (Snubbers)

SNUBBER NUMBER	LOCATION	ELEVATION	SNUBBER IN HIGH ⁽¹⁾ RADIATION AREA DURING SHUTDOWN	SNUBBERS ESPECIALLY DIFFICULT TO REMOVE	SNUBBERS INACCESSIBLE DURING NORMAL OPERATION	SNUBBERS ACCESSIBLE DURING NORMAL OPERATION
Unit 3 (cont'd)						
14-DCN-S-27	CORE Spray	168	See 4.11.D.4.b	X	Drywell	(
13-HB-S-23	RCIC	103	"	X		RCIC ROOM
23-DBN-S-1	HPCI	121	"	X		TORUS ROOM
23-HB-S-1A	HPCI	103	"	X		HPCI ROOM
23-DDN-S-2A	HPCI	103	"			"
23-HB-S-3A	HPCI	100	"	X		"
23-DBN-S-6-1	HPCI	121	"	X		TORUS ROOM
23-DBN-S-6-2	HPCI	121	"	X		"
23-DBN-S-22	HPCI	155	"	X	Drywell	
23-DBN-S-23	HPCI	155	"	X	Drywell	
23-DDN-S-29	HPCI	117	"			HPCI ROOM
23-DDN-S-33	HPCI	93	"			"



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 38 TO

FACILITY LICENSE NO. DPR-56

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM ATOMIC POWER STATION

UNIT NO. 3

DOCKET NO. 50-278

INTRODUCTION

By letter dated February 3, 1978, Philadelphia Electric Company, (PECO) proposed an amendment to Operating License No. DPR-56 for Peach Bottom Atomic Power Station (PBAPS) Unit No. 3. The proposed change would revise the Technical Specifications related to Safety Related Snubbers by deleting 2 of the 12 snubbers on the High Pressure Coolant Injection (HPCI) system.

BACKGROUND INFORMATION

During the startup testing of PBAPS Unit No. 3, PECO and their Architect Engineer obtained data on the thermal expansion characteristics of the HPCI turbine steam supply system. These data indicated that although the thermal stresses of the steam supply piping were well within acceptable limits, the thermal displacement of the piping transferred stresses to the nozzle of the HPCI turbine that were greater than anticipated. Based on this finding, the licensee determined that certain support modifications were appropriate to improve the performance of the support system. Specifically PECO determined that removal of two hydraulic shock suppressors (snubbers) and their replacement with rigid struts would improve the overall performance of the support system by reducing the HPCI turbine inlet nozzle reaction stresses to well within vendor allowables. PECO stated that they had completed an evaluation on April 27, 1977 under the provisions of 10 CFR 50.59 and determined that (1) the modification to the line restraints on the HPCI turbine steam supply line would improve system performance, and (2) prior Commission approval was not required since PBAPS Unit No. 3 Technical Specifications did not, at that time, contain Limiting Conditions for Operation or Surveillance requirements for snubbers.

On April 28, 1977, the Commission issued License Amendment No. 32 to Operating License DPR-56 which incorporated inspection and testing requirements for snubbers on safety related equipment. This amendment included the 2 snubbers which PECO had planned to remove and replace with rigid supports. Through an administrative oversight, PECO failed to identify the need to either (1) put a HOLD on their proposed modification, or (2) request changes to the Technical Specifications to delete the two snubbers in question. Accordingly, the PECO submittal of February 3, 1978, requests this change.

EVALUATION

Snubbers are designed and installed on safety related systems to prevent unrestrained pipe motion under dynamic loads which might occur during an earthquake or severe transient, while allowing normal motion during thermal cycling. Under dynamic load conditions, snubbers will lock-up and provide a rigid mechanical support to decrease the probability of structural damage to the primary containment piping system. Replacement of shock suppressors with rigid mechanical supports is an acceptable modification for seismic and operational transient considerations since the rigid support provides the same protection as a locked-up snubber.

PECO performed calculations of the thermal stresses on the piping systems and the HPCI turbine inlet nozzle reaction for the configuration in which the first two snubbers off the turbine inlet nozzle were changed to rigid restraints. The results of these calculations indicated that the nozzle reaction would be well within the thermal allowable and the pipe stresses (although slightly higher than those initially recorded) were still well within the code allowables. We have reviewed the licensee calculations and determined that the modification is an overall improvement in the support system for the HPCI turbine steam supply system.

Environmental Consideration

We have determined that the amendment does 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 amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §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 this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that:
(1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does

not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: February 16, 1978

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-278

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

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 38 to Facility Operating License No. 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 Unit No. 3. The amendment is effective as of its date of issuance.

The amendment will revise the Technical Specifications related to Safety Related Snubbers by deleting two of the HPCI snubbers (which have been replaced by rigid support struts) from the list of snubbers requiring periodic surveillance to assure their operability.

The application for the amendment 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 amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that

pursuant to 10 CFR §51.5(d)(4) an environmental impact statement, negative declaration or environmental impact appraisal need not be prepared in connection with issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated February 3, 1977, (2) Amendment No. 38 to License No. DPR-56, and (3) the Commission's related Safety Evaluation. 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 17126. 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 16 day of February 1978.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in dark ink, appearing to read "George Lear", with a stylized, sweeping flourish at the end.

George Lear, Chief
Operating Reactors Branch #3
Division of Operating Reactors