

March 27, 19

Docket Nos. 50-277/278

DISTRIBUTION w/enclosures:

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

Docket File	ACRS(10)	JDyer
NRC PDR	GPA/PA	RBrough
Local PDR	OGC	
PDI-2 Rdg.	Rita Jaques, ARM/LFMB	
SVarga	GHill (8)	
BBoger	EJordan	
WButler	DHagan	
GSuh(2)	Wanda Jones	
RClark	Tech Branch	
MO'Brien(2)	JCalvo	

Dear Mr. Hunger:

SUBJECT: CHANGE IN REACTOR WATER LEVEL AND PRESSURE SURVEILLANCE INSTRUMENTATION CALIBRATION FREQUENCY (TAC NOS. 73730 AND 73731)

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

The Commission has issued the enclosed Amendments Nos. 153 and 154 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 July 12, 1989.

These amendments change the TS to decrease the required calibration frequency for reactor water level and reactor pressure surveillance instrumentation specified in TS Table 4.2.F.

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. 153 to DPR-44
2. Amendment No. 154 to DPR-56
3. Safety Evaluation

cc w/enclosures:
See next page

*See attached parallel concurrence sheet.

[73730/1]

PDI-2/PA
MO'Brien
2/27/90

PDI-2/PM
GSuh:mj
2/12/90

SICB *
SNewberry
1/19/90

OGC
3/19/90

PDI-2/D
WButler
3/27/90

DFol
11/11/90
CP/1

9004090212 900327
PDR ADDOCK 05000277
FDC



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

March 27, 1990

Docket Nos. 50-277/278

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

Dear Mr. Hunger:

SUBJECT: CHANGE IN REACTOR WATER LEVEL AND PRESSURE SURVEILLANCE INSTRUMENTATION
CALIBRATION FREQUENCY (TAC NOS. 73730 AND 73731)

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

The Commission has issued the enclosed Amendments Nos. 153 and 154 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 July 12, 1989.

These amendments change the TS to decrease the required calibration frequency for reactor water level and reactor pressure surveillance instrumentation specified in TS Table 4.2.F.

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 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. 153 to DPR-44
2. Amendment No. 154 to DPR-56
3. Safety Evaluation

cc w/enclosures:
See next page

Mr. George A. Hunger, Jr.
Philadelphia Electric Company

Peach Bottom Atomic Power Station,
Units 2 and 3

cc:

Troy B. Conner, Jr., Esq.
1747 Pennsylvania Avenue, N.W.
Washington, D.C. 20006

Single Point of Contact
P. O. Box 11880
Harrisburg, Pennsylvania 17108-1880

Philadelphia Electric Company
ATTN: Mr. D. M. Smith, Vice President
Peach Bottom Atomic Power Station
Route 1, Box 208
Delta, Pennsylvania 17314

Mr. Thomas M. Gerusky, Director
Bureau of Radiation Protection
Pennsylvania Department of
Environmental Resources
P. O. Box 2063
Harrisburg, Pennsylvania 17120

Philadelphia Electric Company
ATTN: Regulatory Engineer, A1-2S
Peach Bottom Atomic Power Station
Route 1, Box 208
Delta, Pennsylvania 17314

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

Resident Inspector
U.S. Nuclear Regulatory Commission
Peach Bottom Atomic Power Station
P.O. Box 399
Delta, Pennsylvania 17314

Public Service Commission of Maryland
Engineering Division
ATTN: Chief Engineer
231 E. Baltimore Street
Baltimore, MD 21202-3486

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 19406

Mr. Tom Magette
Power Plant Research Program
Department of Natural Resources
B-3
Tawes State Office Building
Annapolis, Maryland 21401

Mr. Roland Fletcher
Department of Environment
201 West Preston Street
Baltimore, Maryland 21201



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. 153
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 July 12, 1989, 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:

9004090216 900327
PDR ADDCK 05000277
P FDC

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 153, 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

/s/

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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: March 27, 1990

PDI-2/D
WButler
2/27/90

PDI-2/PM
GSuh:mj
2/19/90

OGC
AP/H
3/19/90

PDI-2/D
WButler
3/27/90

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 153, 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



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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: **March 27, 1990**

ATTACHMENT TO LICENSE AMENDMENT NO. 153

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

86

Insert

86

TABLE 4.2.F

MINIMUM TEST AND CALIBRATION FREQUENCY FOR SURVEILLANCE INSTRUMENTATION

Instrument Channel	Calibration Frequency	Instrument Check
1) Reactor Water Level (narrow range)	Once/operating cycle	Once Each Shift
2) Reactor Water Level (wide range)	Once/operating cycle	Once/day
3) Reactor Water Level (fuel zone)	Once/operating cycle	Once/day
4) Reactor Pressure	Once/operating cycle	Once Each Shift
5) Drywell Pressure	Once/6 months	Once Each Shift
6) Wide Range Drywell Pressure	Once/operating cycle	Once/day
7) Subatmospheric Drywell Pressure	Once/operating cycle	Once/day
8) Drywell Temperature	Once/6 months	Once Each Shift
9) Suppression Chamber Water Temperature	Once/operating cycle	Once Each Day
10) Suppression Chamber Water Level	Once/6 months	Once Each Shift
11) Wide Range Suppression Chamber Water Level	Once/operating cycle	Once/day
12) Control Rod Position	N/A	Once Each Shift
13) Neutron Monitoring (APRM)	Twice Per Week	Once Each Shift
14) Safety/Relief Valve Position Indicator (acoustics)	Once/operating cycle	Once/month
15) Safety/Relief Valve Position Indicator (thermocouple)	N/A*	Once/month
16) Safety Valve Position Indicator (acoustics)	Once/operating cycle	Once/month
17) Safety Valve Position Indicator (thermocouple)	N/A*	Once/month

Amendment No. 88, 74, 93, 109, 113, -86-153



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. 154
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 July 12, 1989, 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. 154, 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

/s/

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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: **March 27, 1990**

PPA/LA
MJB/ten
2/12/90

PDI-2/PM
GSuh:mj
2/19/90

OGC
3/19/90

PDI-2/D
WButler
3/27/90

WB

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 154, 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



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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: **March 27, 1990**

ATTACHMENT TO LICENSE AMENDMENT NO. 154

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 areas are indicated by marginal lines.

Remove

86

Insert

86

TABLE 4.2.F

MINIMUM TEST AND CALIBRATION FREQUENCY FOR SURVEILLANCE INSTRUMENTATION

Instrument Channel	Calibration Frequency	Instrument Check
1) Reactor Water Level (narrow range)	Once/operating cycle	Once Each Shift
2) Reactor Water Level (wide range)	Once/operating cycle	Once/day
3) Reactor Water Level (fuel zone)	Once/operating cycle	Once/day
4) Reactor Pressure	Once/operating cycle	Once Each Shift
5) Drywell Pressure	Once/6 months	Once Each Shift
6) Wide Range Drywell Pressure	Once/operating cycle	Once/day
7) Subatmospheric Drywell Pressure	Once/operating cycle	Once/day
8) Drywell Temperature	Once/6 months	Once Each Shift
9) Suppression Chamber Water Temperature	Once/operating cycle	Once Each Day
10) Suppression Chamber Water Level	Once/6 months	Once Each Shift
11) Wide Range Suppression Chamber Water Level	Once/operating cycle	Once/day
12) Control Rod Position	N/A	Once Each Shift
13) Neutron Monitoring (APRM)	Twice Per Week	Once Each Shift
14) Safety/Relief Valve Position Indicator (acoustics)	Once/operating cycle	Once/month
15) Safety/Relief Valve Position Indicator (thermocouple)	N/A*	Once/month
16) Safety Valve Position Indicator (acoustics)	Once/operating cycle	Once/month
17) Safety Valve Position Indicator (thermocouple)	N/A*	Once/month

Amendment
NO. 67, 73, 95, 112,
117, 154

-86-



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION SUPPORTING

AMENDMENT NOS. 153 AND 154 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 July 12, 1989, Philadelphia Electric Company (the licensee) requested an amendment to Facility Operating License Nos. DPR-44 and DPR-56 for Peach Bottom Atomic Power Station, Unit Nos. 2 and 3. The amendments would change Technical Specification (TS) Table 4.2.F, "Minimum Test and Calibration Frequency for Surveillance Instrumentation," to decrease the required calibration frequency for reactor water level (narrow range) and reactor pressure instrumentation. At present, Table 4.2.F requires that the instrumentation be calibrated once per six months. The revised TS Table 4.2.F would require calibration once per operating cycle.

2.0 EVALUATION

The proposed changes reduce the required calibration frequency to once per operating cycle. This is desirable because it permits calibration to be performed during scheduled refueling outages and mid-cycle outages. Approval of the proposed changes will allow the licensee greater flexibility in scheduling the required surveillances to avoid calibrating the associated level and pressure transmitters during reactor operation. The licensee stated that the valving operations necessary to return these transmitters to service following calibration could perturb other safety-related instruments which share common sensing lines and consequently could cause a reactor scram and primary containment isolation. In addition, the licensee has reviewed historical calibration records and found that the associated instrumentation experienced minor drift and were typically found to be within tolerance when tested.

The reactor water level (narrow range) and reactor pressure surveillance instrumentation listed in TS Table 4.2.F are part of the Feedwater Control System and the accident monitoring system to meet NUREG-0737 requirements. The instrumentation that is associated with the Feedwater Control System is not safety related and does not initiate any engineered

9004090220 900327
PDR ADDOCK 05000277
P PIC

safety features, including the reactor protection system. Instrumentation associated with NUREG-0737 accident monitoring systems typically have a specified calibration frequency of once per 18 months as recommended in NRC Generic Letter 83-36 and as noted in Standard Technical Specifications. The staff notes that an operating cycle calibration interval at Peach Bottom is limited to 18 months, as stated in the TS definition for "Surveillance Frequency." Reactor water level and reactor pressure instrumentation that initiate safety related actuations, such as reactor scram, primary containment isolation, and ECCS actuation, are covered by technical specifications requirements other than Table 4.2.F.

The licensee has proposed changes to TS Table 4.2.F that are consistent with STS guidelines and has reviewed calibration records to support a reduced calibration frequency, as noted above. On the basis of its review, the staff finds that the proposed changes to the TS for Peach Bottom Atomic Power Station, Units 2 and 3 are acceptable.

3.0 ENVIRONMENTAL CONSIDERATIONS

These amendments involve a change to a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and changes to the surveillance requirements. The 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. 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 nor environmental assessment need be prepared in connection with the issuance of the amendments.

4.0 CONCLUSION

The Commission made a proposed determination that the amendments involve no significant hazards consideration which was published in the Federal Register (54 FR 30296) on July 19, 1989, and consulted with the Commonwealth of Pennsylvania. No public comments were received and the Commonwealth of Pennsylvania did not have any comments.

The staff 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, and (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. Y. Suh

Dated: March 27, 1990