

BEFORE THE  
UNITED STATES NUCLEAR REGULATORY COMMISSION

In the Matter of	:	
	:	Docket Nos. 50-277
PHILADELPHIA ELECTRIC COMPANY	:	50-278

APPLICATION FOR AMENDMENT  
OF  
FACILITY OPERATING LICENSES  
DPR-44 & DPR-56

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Philadelphia Electric Company

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Philadelphia Electric Company, Licensee under Facility Operating Licenses DPR-44 and DPR-56 for Peach Bottom Atomic Power Station Unit Nos. 2 and 3 respectively, hereby requests that the Technical Specifications incorporated in Appendix A of the Operating Licenses be amended as indicated by a vertical bar in the margin of attached page 183 to provide clarification of an isolation trip feature on the High Pressure Coolant Injection (HPCI) system.

Isolation of the two inch HPCI turbine exhaust drain line is provided by redundant valves 4247 (5247) and 4248 (5248). The first designation number refers to Unit 2 valves; the number

in parenthesis to the Unit 3 valves. Valve 4248 (5248) receives all three group 4 isolation signals; however, valve 4247 (5247) receives only two signals (HPIC steam line high flow and HPCI steam line space high temperature). As shown in Table 3.7.1, page 181, of the Technical Specification, isolation of the drain line to the gas side of the suppression chamber from the third signal (HPCI steam line low pressure) is provided by the HPCI turbine exhaust vacuum breaker isolation valve 4244-A (5244-A). The design meets the isolation criteria of 10 CFR 50, Appendix A, General Design Criteria; however, the Peach Bottom Technical Specification does not reflect the use of three valves to provide all the isolation features.

Two signals are used to isolate the HPCI system on a HPCI line break, high HPCI steam flow and high temperature along the HPCI steam line or in the HPCI equipment room. These two signals satisfy the requirement for initiating signal diversity for all postulated line break scenarios. Although the HPCI low steam line pressure signal also closes the HPCI isolation valves, this signal is not required to ensure isolation of the system in the event of a line break. Hence, this low pressure signal is considered a process signal and is not redundant. The lack of a low steam line pressure signal for one of the two valves in the HPCI turbine exhaust drain line has no effect on either isolation of the drain line on a HPCI line break or on shutdown of the system after it has performed its safety-related function. This change involves a clarification of the Technical Specifications to reflect the actual plant design and does not involve a technical safety issue. Accordingly, Philadelphia Electric

Company requests a revision to page 183 of the Peach Bottom Technical Specifications to clarify the design of the isolation control logic for one of the HPCI steam line exhaust drain valves.


Pursuant to 10 CFR Section 170.22, "Schedule of Fees for Facility License Amendments", Philadelphia Electric Company proposes that this Application for Amendment be considered a Class III Amendment for Unit 2, and a Class I Amendment for Unit 3, since the change is deemed not to involve a significant hazards consideration.

The Plant Operation Review Committee and the Operation and Safety Review Committee have reviewed these proposed changes to the Technical Specifications and have concluded that they do not involve an unreviewed safety question or a significant hazard consideration; and will not endanger the health and safety of the public.

Respectfully submitted,

PHILADELPHIA ELECTRIC COMPANY

By: \_\_\_\_\_

  
Vice President

COMMONWEALTH OF PENNSYLVANIA

:

ss.

COUNTY OF PHILADELPHIA

:

S. L. Daltroff, being first duly sworn, deposes and says:

That he is Vice President of Philadelphia Electric Company, the Applicant herein; that he has read the foregoing Application for Amendment of Facility Operating Licenses and knows the contents thereof; and that the statements and matters set forth therein are true and correct to the best of his knowledge, information and belief.

*S. L. Daltroff*

Subscribed and sworn to  
before me this *4<sup>th</sup>* day  
of *April 1983*

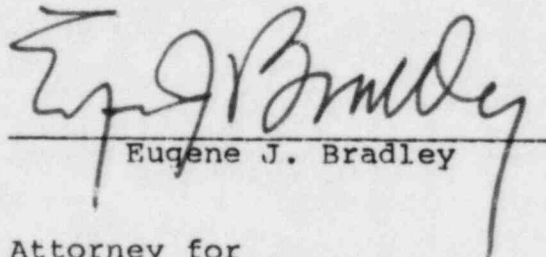
*Patricia D. Scholl*  
Notary Public

PATRICIA D. SCHOLL  
Notary Public, Philadelphia, Philadelphia Co.  
My Commission Expires February 10, 1986



CERTIFICATE OF SERVICE

I certify that service of the foregoing Application was made upon the Board of Supervisors, Peach Bottom Township, York County, Pennsylvania, by mailing a copy thereof, via first-class mail, to Albert R. Steele, Chairman of the Board of Supervisors, R.D. No. 1, Delta, Pennsylvania 17314; upon the Board of Supervisors, Fulton Township, Lancaster County, Pennsylvania, by mailing a copy thereof, via first-class mail, to George K. Brinton, Chairman of the Board of Supervisors, Peach Bottom, Pennsylvania 17563; and upon the Board of Supervisors, Drumore Township, Lancaster County, Pennsylvania, by mailing a copy thereof, via first-class mail, to Wilmer P. Bolton, Chairman of the Board of Supervisors, R.D. No. 1, Holtwood, Pennsylvania 17532; all this 4th day of April, 1983.

  
Eugene J. Bradley

Attorney for  
Philadelphia Electric Company