

BEFORE THE
UNITED STATES NUCLEAR REGULATORY COMMISSION

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

AMENDMENT TO
DECEMBER 22, 1977
APPLICATION FOR AMENDMENT
OF
FACILITY OPERATING LICENSES
DPR-44 & DPR-56

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By application dated December 22, 1977, Philadelphia Electric Company requested an amendment to the Peach Bottom Units 2 and 3 Operating Licenses in response to an NRC request to revise the Peach Bottom Technical Specifications to provide a second level of undervoltage protection with a time delay for safety related loads. Subsequent to the filing, additional information was requested by the Nuclear Regulatory Commission

(NRC) staff. Based on Licensee's responses and subsequent meetings with NRC staff, the December 22, 1977, Application was amended by Licensee on March 21, 1980, to reflect developments and discussions to that time.

Discussions with the NRC staff and clarification of Licensee's proposed design following the filing of the March, 1980 Amendment resulted in several further modifications to the design which had been the basis of the March, 1980 submittal. A Safety Evaluation Report dated February 18, 1982 has been issued by the Office of Nuclear Reactor Regulation accepting Licensee's proposed design for undervoltage protection, which included the modifications proposed subsequent to the filing of the March, 1980 Amendment. It is now necessary for Licensee to modify its previous Application submittals to conform its proposed Technical Specifications to the undervoltage protection design as finally accepted by the NRC Staff.

Accordingly, Philadelphia Electric Company, Licensee under Facility Operating Licenses DPR-44 and DPR-56, for Peach Bottom Atomic Power Station Units 2 & 3 respectively, hereby amends its Application of December 22, 1977 by: (a) withdrawing in its entirety, the Amendment of March 21, 1980; (b) deleting the proposed revised Technical Specification pages 71, 71a, 81, 82 and 93a referred to in the December 22, 1977 Application and

substituting therefore updated pages 71, 81, 81a, and 93a, which are attached hereto and incorporated herein by reference; and (c) deleting the second through fifth paragraphs of the December 22, 1977 Application and substituting therefore the following paragraphs.

The changes to Tables 3.2.B and 4.2.B, and Bases 3.2 are proposed to provide a second level of undervoltage protection with a time delay for safety related loads. This system will prevent damage to safety related equipment and controls during periods of sustained degraded voltage at the offsite power sources. Each of the two offsite power sources will be monitored at the bus by undervoltage relaying. With a degraded voltage condition at an offsite source, the undervoltage sensing relays will operate to start a timing sequence. The following relays will be installed on the source side of each startup source to provide protection under degraded voltage conditions:

- (1) A time delay relay, actuated at 90% of normal voltage, will trip the startup source breaker after a sixty second time delay. The time delay is to allow the automatic tap changer on the startup transformers sufficient time to correct the degraded voltage condition.

- (2) A time delay relay, actuated at 90% of normal voltage, will trip the start up source breaker after a six second time delay if a safety injection signal is present. This relay, which bypasses the sixty second time delay relay, will limit degraded voltage exposure to six seconds under accident conditions. The six second time delay is necessary to prevent separation of the emergency buses from the offsite source during motor starting transients; yet still be contained within the time envelope in FSAR Table 8.5.1.
- (3) An inverse time delay relay, actuated at 87% of normal voltage, will trip the startup source breaker after a time delay of sixty seconds or less depending on voltage conditions. The inverse time characteristics will provide shorter time delays as voltage degrades.

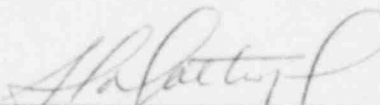
It is requested that the changes to the Technical Specifications be made effective upon completion of the installation. Obsolete specifications and footnotes on Page 81 (Unit 3) have been deleted since the modifications authorized by Amendment #67 are complete.

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

Respectfully submitted,

PHILADELPHIA ELECTRIC COMPANY

By


Vice President

COMMONWEALTH OF PENNSYLVANIA

:

COUNTY OF PHILADELPHIA


:

SS.

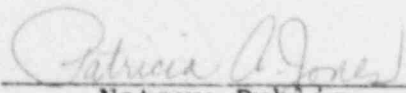
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S. L. Daltroff, being first duly sworn, deposes and says:

That he is Vice President of Philadelphia Electric Company, the Applicant herein; that he has read the foregoing Amendment to December 22, 1977 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.



Subscribed and sworn to
before me this 10th day
of May, 1982.



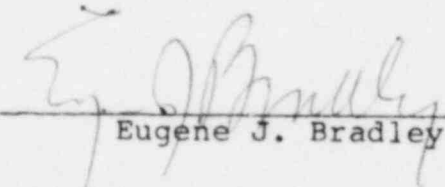
Notary Public

PATRICIA A. JONES

Notary Public, Media Boro, Delaware Co.
My Commission Expires Sept. 13, 1982

CERTIFICATE OF SERVICE

I certify that service of the foregoing Amendment 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 12th day of May, 1982.


Eugene J. Bradley

Attorney for
Philadelphia Electric Company