

PHILADELPHIA ELECTRIC COMPANY

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V. S. BOYER
SR. VICE PRESIDENT
NUCLEAR POWER

July 11, 1983

Re: Docket Nos. 50-277
50-278

Mr. Darrell G. Eisenhut
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, DC 20555

SUBJECT: Peach Bottom Atomic Power Station
Fire Protection Modifications Progress
Report (10 CFR 50, Appendix R)

Reference: Letter from V. S. Boyer (PECO) to
D. G. Eisenhut, dated May 27, 1983

Dear Mr. Eisenhut:

In the referenced letter Philadelphia Electric Company reported on the status of forty-seven modifications to the Peach Bottom Atomic Power Station's Fire Protection System, two of which we later learned were reported erroneously. One error, relating to the Emergency Lighting System, was discussed with Mr. Gears of your staff on July 1, 1983, and the second error, relating to 480V circuit breaker settings, was discussed with him on July 11, 1983. It was concluded that a letter should follow to confirm our verbal reports.

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This letter will identify the modifications in question, update their current status and inform you of the new expected completion dates.

The modification to provide emergency lighting in all areas of the plant required for safe shutdown and access and egress thereto was committed to in a June, 1982, submittal to the NRC. Subsequently, the modification was assigned identifying number 1029R, and has been reported to the NRC in Fire Protection Progress Reports dated February 25, March 24, and May 27, 1983. The areas identified as requiring emergency lights were:

1. Main Control Room
2. Cable Spreading Room
3. Four Emergency Switchgear Rooms
4. Remote Shutdown Panel Area
5. High Pressure Service Water Pump Bays
6. Fifth Bay of Diesel Generator Building

Due to our commitment in the March 24, 1983 letter to install an Alternative Shutdown System, Areas 2 and 3 are no longer part of the safe shutdown procedure and presently do not require emergency lighting to meet Appendix R, III J. Following installation of the Alternative Shutdown System, Area 3 will require the emergency lighting.

Areas 4 through 6 and all the access and egress routes were provided with self-contained battery and lamp packs. Areas 1, 2 and 3 already had a fixed A.C. emergency lighting system backed up by on-site emergency diesel generators. However, due to the nature of the cable installation (field routed, non-scheduled), there was no assurance that the existing power feeds would survive all the necessary fires. The modification in these areas involves the installation of two 60 cell battery racks and DC to AC inverters to supply the existing emergency lights. A loss of the existing power feeds will initiate a transfer to this new source which is located outside the fire areas of concern.

The original commitment date for completion of these installations was March 31, 1983, but inverter availability problems necessitated that PECO request an extension of the completion date to June 1, 1983. This request was made in our progress reports of February 25 and March 24, 1983.

The March 24, 1983 letter stated that the installation of the emergency lighting was 75% complete. This figure was based on the complete installation of all the self-contained units.

The May 27, 1983 letter reported that the addition of an eight-hour battery supply capability to the emergency lighting system in the areas named above was complete. When field personnel were reviewing the May 27 progress report (during the week of June 27), they discovered the reporting error in that as of May 27, the self-contained battery and lamp packs were complete, but installation was still in progress on the components of the D.C. backup system and certain critical components had not yet been received.

As of July 11, 1983, the status and projected completion of Mod 1029R is as follows:

All 8-hour self-contained battery packs complete.
No work remains.

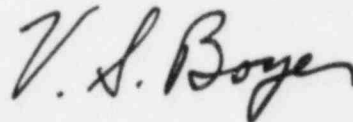
Two 60 cell batteries and four inverters to supply existing fixed A.C. emergency lights are installed and batteries are undergoing a PECO required 5-day test for acid creepage. Inter-connection of batteries remains, after which the manufacturer's representative must direct the initial energization and check out of the system in order to comply with the manufacturer's warranty conditions. Pending successful test completion and system checkout, PECO expects to have all work complete by July 22.

The second error was discovered late Friday, July 8, during a verification of all of the data in the PBAPS Fire Protection Mod Progress Report of May 27, 1983, and related to the modification to change the settings on the 480V load center circuit breakers on Unit 3 (1212...1114). This modification was assigned identifying number 1029H, and has also been reported to the NRC in Fire Protection Progress Reports dated February 25, March 24, and May 27, 1983. While the expected completion date for this work was reported as the end of the outage, which is still in progress, the work was reported as being completed for Unit #3 in the May 27, 1983 letter. Our recent review indicates that a portion of the work still remained to be accomplished and that the entire modification is expected to be completed by Wednesday, July 13, 1983.

The errors resulted from a misunderstanding between the field personnel and headquarters Engineering personnel in the transmission of information for the report. The engineers involved have been counseled as to the importance of their obtaining and documenting accurate and complete information when reporting the status of plant modifications to Philadelphia Electric Company management and/or the NRC. A special training session on this subject for the project engineers associated with Peach Bottom modification work was conducted on July 8, 1983.

Should you have any questions or require additional information, please do not hesitate to contact us.

Very truly yours,

A handwritten signature in cursive script, reading "V. L. Boyer". The signature is written in dark ink and is positioned to the right of the typed name "V. L. Boyer".

cc: A. R. Blough, Site Inspector
Peach Bottom