

GPU NUCLEAR CORPORATION  
OYSTER CREEK NUCLEAR GENERATING STATION

PROVISIONAL OPERATING  
LICENSE NO. DPR-16

Technical Specification  
Change Request No. 177  
Docket No. 50-219

Applicant submits, by this Technical Specification Change Request No. 177 to the Oyster Creek Nuclear Generating Station Technical Specifications, a change to page 4.7-2 and the addition of page 4.7.3.

By: *E. E. Fitzpatrick*  
E. E. Fitzpatrick  
Vice President &  
Director, Oyster Creek

Sworn and subscribed to before me this 20<sup>th</sup> day of February 1990.

*Diana M. DeBlasio*  
NOTARY PUBLIC OF NEW JERSEY

DIANA M. DeBLASIO  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires 6-5-91

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OYSTER CREEK NUCLEAR GENERATING STATION  
PROVISIONAL OPERATING LICENSE NO. DPR-16  
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TECHNICAL SPECIFICATION CHANGE REQUEST NO. 177

Applicant hereby requests the Commission to change Appendix A to the above captioned license as indicated below. Pursuant to 10CFR50.91, an analysis concerning the determination of no significant hazards considerations is also presented:

1. Section to be Changed

4.7 Auxiliary Electrical Power

2. Extent of Change

Add the requirement to perform a battery service test each refueling outage. Also, change the surveillance interval of the existing battery performance test.

3. Changes Requested

As indicated on the attached revised Technical Specification page 4.7-2. Page 4.7.3 has been added to accommodate the expanded text.

4. Discussion

TSCR No. 177 proposes to add a new surveillance requirement to perform a battery service test each refueling outage. A battery service test is a special capacity test performed to demonstrate the capability of the battery to meet the system design requirements. The service test will correspond as close as practical to the duty cycle load that the battery will be subjected to during a loss of AC power subsequent to a LOCA.

In addition, TSCR No. 177 proposes to change the surveillance frequency of the existing battery performance test. A battery performance test is a capacity test of the battery in the "as found" condition, after being in service, to detect any change in the capacity as determined by the new battery acceptance test. Currently Specification 4.7.B.3 requires a battery performance test at least once per 18 months during a shutdown. The test demonstrates that the battery is capable of providing 80 percent of the manufacturer's rating. TSCR No. 177 proposes to reduce the frequency of the performance test such that a test will be required at intervals of no more than 5 years until the battery provides less than 90 percent of the manufacturer's rating. Upon reaching the point where the battery provides less than 90 percent of the manufacturer's rating, the test will be performed each refueling outage. The initial 5 year testing interval and subsequent increase in surveillance frequency at the point of reduced battery capacity (less than 90 percent of the manufacturer's rating) is consistent with IEEE standard 450.

5. Determination

GPU Nuclear has determined that operation of the Oyster Creek Nuclear Generating Station in accordance with the proposed technical specifications does not involve a significant hazard. The changes do not:

1. Involve a significant increase in the probability or the consequence of an accident previously evaluated. The proposed surveillance requirements do not involve any changes to the plant configuration, availability of safety systems or the manner in which they respond to initiating events, and, as such, will not increase the probability of an accident previously evaluated. The surveillance requirements will not alter the battery's response to an accident and, therefore will not increase the consequences of an accident previously evaluated.
2. Create the possibility of a new or different kind of accident from any previously evaluated. Revising the battery refueling outage surveillance requirements does not involve any change to the plant configuration, nor does it change the availability of the batteries or the manner in which they respond to initiating events. As such, the possibility of a new or different kind of accident from any previously evaluated is not created.
3. Involve a significant reduction in a margin of safety. The weekly, monthly and refueling outage battery surveillance requirements verify the availability and capability of these components and, therefore, do not represent a reduction in the margin of safety.