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U. S. Nuclear Regulatory Commission  
Document Control Desk  
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Washington, DC 20555

Subject: Arkansas Nuclear One - Unit 2  
Docket No. 50-368  
License No. NPF-6  
Supplemental Information Regarding EQ Equipment Related to Power Uprate

Gentlemen:

Entergy Operations, Inc. submitted an "Application for License Amendment to Increase Authorized Power Level," on December 19, 2000 (2CAN120001). Section 9.4 of Enclosure 5 to the license application discussed impacts to the Environmental Qualification (EQ) Program as a result of power uprate. In particular, section 9.4.5 discussed non-conservative design inputs unrelated to the proposed power uprate that were used in the radiological EQ dose calculations. The license application stated that the calculations would be corrected in accordance with the station corrective action program. The conclusions discussed in Section 9.4 were expected to remain unaffected.

This letter is to inform the NRC staff that the dose calculations have been corrected with no impact to the original conclusions regarding power uprate. EQ equipment remains qualified for power uprate. Additional details are provided in the attachment. This submittal contains no regulatory commitments.

I declare under penalty of perjury that the foregoing is true and correct. Executed on October 30, 2001.

Very truly yours,

A handwritten signature in cursive script that reads "Glenn R. Ashley".

Glenn R. Ashley  
Manager, Licensing

GRA/dwb  
Attachment

A001

cc: Mr. Ellis W. Merschoff  
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## **Supplemental Information Regarding EQ Equipment**

### Electrical Equipment Qualification

Section 9.4.5 of Enclosure 5 to the December 19, 2000, license application discussed electrical equipment qualification. Section 9.4.5 discussed non-conservatism that were discovered in some of the design inputs used in the radiological environmental qualification (EQ) dose calculations. The non-conservatism were discovered subsequent to completion of the evaluations for power uprate. The non-conservative design inputs were not related to the increase in power and the conclusions related to power uprate were not expected to be affected. Corrective actions were assigned in accordance with the station corrective action program and a commitment was made to notify the NRC staff of the results. The calculations have been corrected and, as expected, the original conclusions regarding power uprate were not affected. Environmentally qualified equipment remains qualified for power uprate.

The non-conservatism discovered in some of the design inputs used in the radiological EQ dose calculations resulted in an additional increase in the general Auxiliary Building post-accident airborne dose from engineered safety features equipment leakage. However, EQ equipment remains qualified for power uprate. Containment shine increased slightly; however, is negligible compared to the total dose experienced during post-accident conditions.

Recalculation of the containment post-accident airborne, plateout, and sump gamma doses resulted in a slightly lower total post-accident dose than previously used (i.e., airborne dose decreased, sump dose increased, and plateout increased). The total dose decreased because of the decrease in airborne dose, which is the source for the majority of accident gamma dose. The post-accident beta dose slightly decreased. The result is that EQ equipment remains qualified for power uprate considering the recalculated containment dose conditions.