

October 3, 2000

Mr. Craig G. Anderson
Vice President, Operations ANO
Entergy Operations, Inc.
1448 S. R. 333
Russellville, AR 72801

SUBJECT: ARKANSAS NUCLEAR ONE, UNITS 1 AND 2 - REVISION TO SAFETY
EVALUATION RELATED TO AMENDMENTS ON STEAM GENERATOR LOAD
HANDLING (TAC NOS. MA6573 AND MA6574)

Dear Mr. Anderson:

On September 25, 2000, the Nuclear Regulatory Commission issued Amendment Nos. 209 and 221 for Arkansas Nuclear One, Units 1 and 2 (ANO-1 and ANO-2), respectively. The amendments changed heavy load handling requirements and transportation provisions to permit movement of the original and replacement steam generators (SGs) through the ANO-2 containment construction opening during the SG replacement outage.

Since issuance of the amendment, Mr. Dennis Boyd of your staff indicated that some of the items in the related Safety Evaluation (SE) need to be revised based on further clarification on what your intent was in the June 29, August 3, and September 15, 2000, supplemental letters to your September 17, 1999, application. We have reviewed these items and are hereby revising the SE as follows:

In the third paragraph under SE Section 3.2.2, "Transfer/Hoisting Systems," the sentence that says, "Therefore, prior to use, the OLS [outside lift system] will be load-tested to 125 percent of the maximum critical load," should be deleted. This change is needed because the previous sentence indicates that the OLS will be tested for handling SG loads in accordance with the ANSI/ASME B30.2 standard, and this standard provides for flexibility that was not acknowledged in our SE (i.e., the standard states that loads shall not be tested at more than 125 percent of the maximum critical load unless otherwise recommended by the manufacturer).

In the first paragraph under SE Section 3.2.3.1.1, "Compensatory Measures to Support/Restore ANO-1 EDGs [emergency diesel generators], the sentence that says, "ANO-1 FSAR [Final Safety Analysis Report] Section 8.3.1.1.7.2 states that 275 gallons of fuel oil in the day tank can run the associated EDG for approximately one hour until the contents of the day tank are exhausted," should be replaced with, "Although ANO-1 FSAR Section 8.3.1.1.7.2 states that 275 gallons of fuel oil in the day tank can run the associated EDG for approximately one hour until the contents of the day tank are exhausted, the licensee's August 3, 2000, supplemental letter indicates that only 250 gallons are needed." This change is needed so that the licensee is not required to store more fuel in the day tank than is needed to support its analysis. Similarly, under the same section in the third paragraph, item (3) that says, "... (3) ensure that the day tanks are completely filled to their 275 gallon capacity (beyond the quantity of 160 gallons as required by TS 3.7.1.C.1),..." should be replaced with "... (3) ensure that the day tanks are filled to at least 250 gallons,...."

In the fourth paragraph under SE Section 3.2.3.1.1, item (3) that says, "... (3) install a temporary hose assembly that bypasses the damaged portion of the system to supply fuel oil from either the ANO-1 or ANO-2 emergency diesel fuel oil storage tanks to the ANO-1 fuel oil day tanks;..." is deleted, and item (4) that says "... (4) restore temporary AC power to the ANO-1 fuel transfer pumps via the AAC diesel generator." is changed to item (3) and says "... (3) utilize the AAC diesel generator." These changes are needed to be consistent with your August 3, 2000, supplemental letter which says that you plan to credit the AAC diesel generator for non seismic-induced failures. Under the same section in the fifth paragraph, the sentence that says, "The tankers will be used to provide an alternate source of fuel oil for the EDGs rather than provide temporary fuel oil connections as described above." should be replaced with "The tankers will be used to provide an alternate source of fuel oil for the EDGs." This change is needed to be consistent with deleting the discussion on the temporary hose assembly discussed above.

In addition, in the first paragraph under SE Section 2.0, "BACKGROUND," the commercial operation date changed from 1974 to 1980, and the license expiration date changed from May 2014 to July 2018. Dates related to the operation of ANO-1 were inadvertently provided instead of those for ANO-2.

Our intent in writing this letter is to revise the SE to be consistent with the information that you have provided to us, and our conclusions are not affected by any of these revisions. We regret any inconvenience that this may have caused you.

Sincerely,

/RA by David Jaffe for/

Robert A. Gramm, Chief, Section 1
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-313 and 50-368

cc: See next page

In the fourth paragraph under SE Section 3.2.3.1.1, item (3) that says, "... (3) install a temporary hose assembly that bypasses the damaged portion of the system to supply fuel oil from either the ANO-1 or ANO-2 emergency diesel fuel oil storage tanks to the ANO-1 fuel oil day tanks;..." is deleted, and item (4) that says "... (4) restore temporary AC power to the ANO-1 fuel transfer pumps via the AAC diesel generator." is changed to item (3) and says "... (3) utilize the AAC diesel generator." These changes are needed to be consistent with your August 3, 2000, supplemental letter which says that you plan to credit the AAC diesel generator for non seismic-induced failures. Under the same section in the fifth paragraph, the sentence that says, "The tankers will be used to provide an alternate source of fuel oil for the EDGs rather than provide temporary fuel oil connections as described above." should be replaced with "The tankers will be used to provide an alternate source of fuel oil for the EDGs." This change is needed to be consistent with deleting the discussion on the temporary hose assembly discussed above.

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October 3, 2000

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February 2000