

SUPPLEMENTAL SAFETY EVALUATION REPORT  
ARKANSAS NUCLEAR ONE - UNIT 2  
LICENSE RESPONSE TO I&E BULLETIN 80-06  
ENGINEERED SAFETY FEATURES (ESF) RESET CONTROLS

BACKGROUND:

In the Safety Evaluation Report on this matter, dated June 3, 1981, we concluded that the licensee satisfied the concerns and requirements of I&E Bulletin 80-06 for ANO-2, subject to completion of modifications to control circuits of eighteen valves found to change position upon ESF actuation system (ESFAS) reset, and subsequent testing. This conclusion was based on information and documents provided by the licensee, and on our contractor's report (EGG 1183-4200), included with the SER.

Subsequent I&E inspection found that the licensee had not performed the verification test required by item 2 of IEB 80-06 and that modifications to the two containment sump isolation valves were not implemented as stated by the licensee in letters of June 18, 1980 and January 26, 1981 to the NRC. However, the NRC inspection confirmed that the other sixteen valve control circuits were satisfactorily modified and tested as noted in Region IV letters to AP&L dated April 9 and April 16, 1982.

EVALUATION:

The licensee by letter dated April 16, 1982 provided a re-evaluation of their response to IEB 80-06 for ANO-2.

We have reviewed this response and find that:

- 1) The licensee has provided satisfactory justification for not modifying various safety related components which they concluded would not reduce the margin of safety if these components change state on reset. This

includes the containment sump isolation valves which are maintained in the open (ESFAS) position at all times with key locked switches, and verified open each shift.

- 2) The licensee committed to modify thirteen additional components which could potentially change state on reset.
- 3) The licensee has committed to perform verification tests of all safety related components, test planned modifications, and modify and test any additional components, if needed as a result of these previous tests, by the next refueling outage.

CONCLUSION:

The licensee has satisfied the requirements and concerns of I&E Bulletin 80-06, subject to completion of the licensee's commitments to perform the modifications and testing identified in their April 16, 1982 response.

Therefore, we find the ESF reset controls for ANO-2 in compliance with NRC criteria.

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