

**ADVISORY COMMITTEE ON REACTOR SAFEGUARDS**  
**UNITED STATES ATOMIC ENERGY COMMISSION**  
**WASHINGTON, D.C. 20545**

March 13, 1973

L. Manning Muntzing  
Director of Regulation

**ARKANSAS NUCLEAR ONE, UNIT 2 - PROPOSED MODIFICATIONS TO THE SAFETY  
INJECTION TANK SYSTEM**

In our February 10, 1972, Report on Arkansas Nuclear One, Unit 2, (ANO-2), the Committee noted "The applicant stated that a design parameter study for the safety injection tank system would be made to achieve increased safety margins over the full spectrum of break sizes, and that improvements judged to be desirable would be adopted for Unit 2. The final design of the safety injection tank system should be reviewed by the Regulatory Staff and the ACRS prior to fabrication and installation of major components thereof."

The Committee, at its 155th meeting, March 8-10, 1973, has reviewed the proposed changes for the safety injection tank system for ANO-2 and concluded that they appear to be acceptable. It should be recognized that the suitability of the design changes for ANO-2, for the power conditions proposed, are contingent upon the successful completion of the applicant's programs for experimental and analytical studies involving related matters of fuel and the ECCS, and upon other information developed during the construction of the plant.

The Committee's review of the applicant's study has been restricted to ANO-2 and should not be used as a basis for determining the acceptability of the safety injection tank systems for other cases.

/s/ H. G. Mangelsdorf

H. G. Mangelsdorf  
Chairman