



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

AUG 17 1979

NRC PDR

MEMORANDUM FOR: Robert W. Reid, Chief, Operating Reactors Branch #4, Division  
of Operating Reactors

FROM: G. Lainas, Chief, Plant Systems Branch, Division of Operating  
Reactors

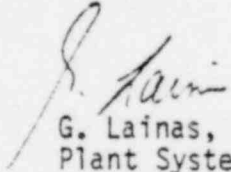
SUBJECT: ELECTRICAL EQUIPMENT COOLING DESIGN ERROR AT ARKANSAS NUCLEAR  
ONE, UNIT 1 (TAC 7031)

Plant Name: Arkansas Nuclear One, Unit 1 (ANO-1)  
Docket No.: 50-313  
Responsible Branch: ORB #4  
Project Manager: G. Vissing  
Reviewing Branch: Plant Systems Branch  
Status: Complete

The Plant Systems Branch has reviewed the design information submitted by Arkansas Power and Light Company (AP&L) in its letters of October 31, 1978 and July 24, 1979. The design information describes the final and permanent installation (Phase III of the Licensee's corrective action) for cooling the north and south battery/charger and associated areas. Our evaluation of this design is enclosed.

A staff safety evaluation of the licensee's proposed corrective measures for remedying the electrical equipment cooling system design error and the immediate corrective actions to provide temporary emergency ventilation for the electrical equipment areas was prepared on October 24, 1977. The interim installation for cooling these areas, necessitated by the long delivery times associated with the purchase of Class IE equipment, was addressed in the staff's evaluation prepared on August 9, 1978.

Based on our review of the licensee's submittals, we find the permanent installation to provide cooling for the north and south battery/charger and associated areas acceptable.

  
G. Lainas, Chief  
Plant Systems Branch  
Division of Operating Reactors

Enclosure:  
Safety Evaluation

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Robert W. Reid

- 2 -

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