



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

NRC POR

NOV 19 1979

MEMORANDUM FOR: R. Reid, Chief, Operating Reactors Branch #4, DOR  
FROM: G. Lainas, Chief, Plant Systems Branch, DOR  
SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - CONTAINMENT  
PURGE SYSTEM - ARKANSAS NUCLEAR ONE - UNIT 1  
(TAC 10212)

Plant Name: Arkansas Nuclear One, Unit 1  
Docket No.: 50-313  
Project Manager: G. Vissing  
Review Status: Awaiting Information

Plant Systems Branch has identified the enclosed additional information as being required in order that we can complete our evaluation of the electrical override/bypass aspects of the containment purge matter.

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

Enclosure:  
As stated

Contact:  
R. Scholl  
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cc w/enclosure:

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REQUEST FOR ADDITIONAL INFORMATION  
FOR CONTAINMENT PURGE SYSTEM AND  
CONTAINMENT VENTING SYSTEM FOR  
ARKANSAS NUCLEAR ONE, UNIT 1  
DOCKET NO. 50-313

1. The bypass controls should have sufficient physical features to facilitate adequate administrative control. Describe the inherent features provided for your emergency core cooling systems. Where physical features are not present, state your intention to include these features.
2. System level annunciation shall be made when a bypass is active. Describe your provisions for annunciation when a emergency core cooling system is bypassed. If annunciation is not provided at the system level, state your intention to include these features.
3. Diverse signals should actuate closure of the containment isolation valves. Specifically, a minimum of (1) containment high radiation, (2) safety injection actuation, and (3) containment high pressure are required. All of these signals should be derived from safety grade equipment. Your system apparently acts only on high containment pressure. Justify your present design or describe your intentions to correct these deficiencies.
4. Clarify the discrepancy between your response to our generic letter of November 28, 1978 (with regard to bypasses) and FSAR Section 7.1.3.2. We are concerned because a block, as described in your FSAR, is a bypass as defined by our generic letter.

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