



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV

611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TEXAS 76011-8064

NOV 12 1996

C. Randy Hutchinson, Vice President  
Operations  
Arkansas Nuclear One  
Entergy Operations, Inc.  
1448 S.R. 333  
Russellville, Arkansas 72801-0967

SUBJECT: NRC INSPECTION REPORT 50-313/96-23; 50-368/96-23

Dear Mr. Yelverton:

An NRC inspection was conducted September 16-20 and September 30 through October 4, 1996, at your Arkansas Nuclear One, Units 1 and 2 reactor facilities. This was supplemented by an October 9, 1996, conference call. The enclosed report presents the scope and results of that inspection. The overall conclusions of this report were discussed with Mr. Dwight Mims of your staff on November 7, 1996.

We have determined that your motor-operated valve program, as revised in response to several concerns raised during the inspection, has successfully implemented your commitments to Generic Letter 89-10, "Safety-Related Motor-Operated Valve Testing and Surveillance." Consequently, the NRC review of your Generic Letter 89-10 motor-operated valve program has been closed. The NRC will evaluate your periodic verification program, as well as your response to emerging motor-operated valve performance issues, within the framework of Generic Letter 96-05, "Periodic Verification of Design Basis Capability of Safety-Related Motor-Operated Valves."

During the inspection, an unresolved item was identified concerning the potential inability of certain safety systems to survive a control room fire. The concern is that redundant motor-operated valves may stall from multiple hot shorts and be damaged to an extent that local operation may not be available as a contingency action. Your analysis did not include consideration of the potential for more than one motor-operated valve to be affected by a hot short during a control room fire. Consequently, you chose not to modify any motor-operated control circuits to provide hot short overload protection via the torque or limit switch. The function of certain safety systems in both units could be defeated in the event of multiple hot shorts. These facts are being reviewed as a possible violation of 10 CFR Part 50, Appendix R.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter, its enclosure(s), will be placed in the NRC's Public Document Room (PDR).

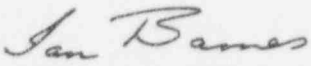
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Entergy Operations, Inc.

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Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

  
for Kenneth E. Brockman, Acting Director  
Division of Reactor Safety

Docket Nos.: 50-313; 50-368

License Nos.: DPR-51; NPF-6

Enclosure:

NRC Inspection Report

50-313/96-23; 50-368/96-23

cc w/enclosure:

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& Chief Operating Officer

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Manager  
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Rockville, Maryland 20852

E-Mail report to D. Nelson (DJN)  
E-Mail report to NRR Event Tracking System (IPAS)

bcc to DMB (IE01)

bcc distrib. by RIV:

L. J. Callan  
DRP Director  
Branch Chief (DRP/C)  
Project Engineer (DRP/C)  
Branch Chief (DRP/TSS)  
E. Kelly, RI  
P. Fredrickson, RII  
W. Kropp, RIII  
T. Scarbrough, NRR

Resident Inspector  
MIS System  
RIV File  
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Leah Tremper (OC/LFDCB, MS: TWFN 9E10)

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10/10/96	10/10/96	10/11/96	10/15/96	10/17/96	10/12/96

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E-Mail report to D. Nelson (DJN)  
E-Mail report to NRR Event Tracking System (IPAS)

bcc to DMB (IE01)

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10/10/96	10/30/96	10/1/96	10/15/96	10/1/96	10/12/96

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