



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-8064**

May 4, 2001

MEMORANDUM TO: Samuel J. Collins, Director
Office of Nuclear Reactor Regulation

FROM: Ellis W. Merschoff */RA/*
Regional Administrator

SUBJECT: ARKANSAS NUCLEAR ONE, UNIT 1, LICENSE RENEWAL
APPLICATION

By letter dated January 31, 2000, Entergy Operations, Inc. (Entergy) submitted to the NRC an application to renew the operating license for the Arkansas Nuclear One, Unit 1, in accordance with Title 10 of the Code of Federal Regulations, Part 54. We have completed our inspections in accordance with the guidance contained in Manual Chapter 2516 and Inspection Procedure 71002 in close coordination with the Office of Nuclear Reactor Regulation. The inspections verified that Entergy implemented the scoping and screening methodology and established aging management programs in conformance with the descriptions contained in their application for license renewal. Our inspections of selected systems structures and commodity groups, chosen based on importance to safety, verified with reasonable assurance the acceptability of the existing aging management programs for managing aging effects. We also verified that the documentation used to support the application was in an auditable form. In addition, in our inspections we compared statements in the Safety Evaluation Report with Open Items Related to the License Renewal of Arkansas Nuclear One, Unit 1, dated January 2001, with Entergy's implementation confirming the accuracy of assumptions used by your staff to form technical positions. Details of the scope of our inspections and results are contained in NRC Inspection Report 50-313/00-17; 50-368/00-17 dated February 2, 2001, and in NRC Inspection Report 50-313/01-03; 50-368/01-03 dated March 23, 2001.

Based on the results of our inspection efforts, we have determined that Entergy's programs and activities related to the license renewal of Arkansas Nuclear One, Unit 1, have been completed in agreement with docketed commitments and regulatory requirements. Within the above inspection scope, we have determined that Entergy demonstrated the capability to manage the effects of aging during the period of extended operation. We, therefore, conclude that there is reasonable assurance that Entergy's aging management programs provide an adequate foundation for renewing the license for Arkansas Nuclear One, Unit 1, for an additional 20 years.

Docket No. 50-313
License No. DPR-51

Electronic distribution from ADAMS by RIV:

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RIV:DRS:EMB	NRR:ME/DRIP/RLSB	C:DRP/D	D:DRP	DRA
RLNease;tbh;dlf	RJPrato	LJSmith	KEBrockman	TPGwynn
/RA/	E - LJSmith	/RA/	/RA/	
4/30/01	5/4/01	5/4/01	5/4/01	Not applicable

RA				
EWMerschhoff				
/RA/				
5/4/01				

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