

DOS



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

March 31, 1986

Docket No. 50-313

Arkansas Power & Light Company
ATTN: Mr. John M. Griffin
Senior Vice President - Energy Supply
P. O. Box 551
Little Rock, Arkansas 72203

Gentlemen:

SUBJECT: SAFETY SYSTEM FUNCTIONAL INSPECTION REPORT 50-313/86-01

This letter forwards the report of the Safety System Functional Inspection performed by an NRC team over the period January 6-31, 1986 involving activities authorized by NRC Operating License Number DPR-51 for the Arkansas Nuclear One-Unit 1 facility. This inspection was conducted jointly by members of Region II, Region IV, the Office of Inspection and Enforcement, and NRC contractors. At the conclusion of the inspection, the findings were discussed at an exit meeting with those members of your staff identified in the appendix to the enclosed inspection report.

This NRC effort at Arkansas Nuclear One represents a new inspection approach involving an assessment of the operational readiness and functionality of selected safety systems. Particular attention is directed to the details of modifications and design control, quality of maintenance and surveillance, and adequacy of testing applicable to those safety systems. At ANO, the team selected the emergency feedwater (EFW) system as the primary focus of its review.

The report includes findings that may result in enforcement action, which would be the subject of subsequent correspondence. The report also addresses other observations and conclusions made by the inspection team. Section II of the report is a summary of the safety effects of the more significant findings on the operational readiness of the selected safety system.

In general, the inspection team found the design of the ANO-Unit 1 EFW system to be sound; however, several aspects of your programs for modifying, testing, and maintaining this system were considered to be deficient. The inspection team identified significant concerns in the areas of mechanical design changes and modifications, seismic interaction, torque switch settings of motor-operated valves, and testing of EFW system components. We request that you respond to this office within 45 days describing the actions that you have taken or intend to take to improve management controls over the specific licensed activities described in Section II of this report as significant findings. In the area of motor-operated valves, consideration should be given to providing an expedited

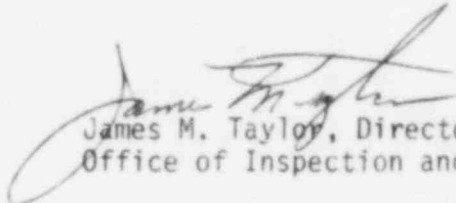
8604220472 860331
PDR ADOCK 05000313
G PDR

response to IE Bulletin 85-03. In the area of testing EFW system components, consideration should be given to conducting a comprehensive review of the adequacy of the test programs covering EFW system components at ANO-1.

While planning corrective actions based on the weaknesses identified in the enclosed report, it is important that you realize that the focus of this inspection was only on the emergency feedwater system at ANO-1. Therefore, consideration should be given to identifying and correcting similar problems in other safety-related systems.

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

Sincerely,


James M. Taylor, Director
Office of Inspection and Enforcement

Enclosure:
Inspection Report 50-313/86-01

cc w/enclosures
J. M. Levine, Director, Site Nuclear Operations
Arkansas Nuclear One
P. O. Box 608
Russelville, Arkansas 72801

Arkansas Radiation Control Program Director