APPENDIX B

U. S. NUCLEAR REGULATORY COMMISSION
REGION IV

NRC Inspection Report: 50-313/84-12
50-368/84-12

Licenses: DPR-51
NPF-6

Dockets: 50-313
50-368

Licensee: Arkansas Power and Light Company
P. O. Box 551
Little Rock, Arkansas 72203

Facility Name: Arkansas Nuclear One (ANO), Units 1 and 2

Inspection At: ANO Site, Russellville, Arkansas

Inspection Conducted: April 1-30, 1984

Inspectors: W D Johnson
W. D. Johnson, Chief, Project Section A
Reactor Project Branch 2
(pars. 1, 2, 3, 4)
5/9/84
Date

W D Johnson for
P. H. Harrell, Resident Reactor Inspector
(pars. 1, 2, 3, 4)
5/9/84
Date

Approved: W D Johnson
W. D. Johnson, Chief, Project Section A
Reactor Project Branch 2
5/9/84
Date

Inspection Summary

Inspection Conducted April 1-30, 1984 (Report 50-313/84-12)

Areas Inspected: Routine, announced inspection of maintenance, surveillance, and operational safety verification.

The inspection involved 62 inspector-hours onsite by two NRC inspectors.

Results: Within the three areas inspected, no violations were identified.

Inspection Summary

Inspection Conducted April 1-30, 1984 (Report 50-368/84-12)

Areas Inspected: Routine, announced inspection of operational safety verification, maintenance, and surveillance.

The inspection involved 60 inspector-hours onsite by two NRC inspectors.

Results: Within the three areas inspected, one violation was identified (failure to control combustibles, paragraph 2).

DETAILS

1. Persons Contacted

J. Levine, ANO General Manager
*E. Ewing, Engineering & Technical Support Manager
*B. Baker, Operations Manager
L. Sanders, Maintenance Manager
J. McWilliams, Unit 1 Operations Superintendent
G. Helmick, Planning and Scheduling Supervisor
M. Bolanis, Health Physics Superintendent
R. Tucker, Electrical Maintenance Superintendent
R. Wewers, Unit 2 Operations Superintendent
D. Wagner, Health Physics Supervisor
L. Dugger, Acting Electrical Maintenance Superintendent
*T. Cogburn, Special Projects Manager
*L. Humphrey, Administrative Manager
J. Lamb, Safety and Fire Prevention
T. Baker, Technical Analysis Superintendent
C. Fellhauer, Radwaste Coordinator
R. Gillespie, Chemical and Environmental Supervisor
H. Hollis, Security Coordinator
P. Jones, Instrumentation and Controls Superintendent
V. Pettus, Mechanical Maintenance Superintendent
C. Burchard, Health Physics Supervisor
D. Helm, Health Physics Specialist
P. Rogers, Special Projects Coordinator
L. Schempp, Nuclear Quality Control Manager
*D. Lomax, Nuclear Support Supervisor
*G. Storey, Safety and Fire Protection Coordinator
*J. Montgomery, Human Resources Supervisor

*Present at exit interviews.

The inspectors also contacted other plant personnel, including operators, technicians, and administrative personnel.

2. Operational Safety Verification (Units 1 and 2)

The NRC inspectors observed control room operations, reviewed applicable logs, and conducted discussions with control room operators. The inspectors verified the operability of selected emergency systems, reviewed tagout records, and verified proper return-to-service of affected components. Tours of accessible areas of the units were conducted to observe

plant equipment conditions, including potential fire hazards, fluid leaks, and excessive vibration. In addition, the inspectors ensured that maintenance requests had been initiated for equipment in need of maintenance. The inspectors, by observation and direct interview, verified that the physical security plan was being implemented in accordance with the station security plan.

The NRC inspectors observed plant housekeeping/cleanliness conditions and verified implementation of radiation protection controls. The NRC inspectors walked down the accessible portions of Units 1 and 2 diesel fuel oil vault, emergency diesel generators, and station batteries to verify operability. The inspectors witnessed portions of the radioactive waste system controls associated with radwaste shipments and barreling.

These reviews and observations were conducted to verify that facility operations were in conformance with the requirements established under Technical Specifications, 10 CFR, and administrative procedures.

During a tour of the accessible areas of Unit 2, it was noted that there was a large amount (approximately 20 pounds) of transient combustible material located in the steam pipe area. Step 6.4.1 of Administrative Procedure 1000.47, "Control of Combustibles," limits the amount of transient combustibles in the steam pipe area to 5 pounds. Failure to control combustibles in accordance with procedural requirements is an apparent violation of Unit 2 Technical Specification 6.8.1, which requires, in part, that licensee procedures be properly implemented (368/8412-01). The licensee was notified and promptly removed the combustibles from the area.

3. Monthly Surveillance Observation (Units 1 and 2)

The NRC inspector observed the Technical Specification required surveillance testing on the Unit 1 engineered safeguards actuation system (Procedure 1304.49) and verified that testing was performed in accordance with adequate procedures, that test instrumentation was calibrated, that limiting conditions for operation were met, that removal and restoration of the affected components were accomplished, that test results conformed with Technical Specifications and procedure requirements, that test results were reviewed by personnel other than the individual directing the test, and that any deficiencies identified during the testing were properly reviewed and resolved by appropriate management personnel.

The inspector also witnessed portions of the Unit 1 engineered safeguards test (Procedure 1305.06).

No violations or deviations were identified.

4. Monthly Maintenance Observation (Units 1 and 2)

Station maintenance activities of safety-related systems and components listed below were observed/reviewed to ascertain that they were conducted in accordance with approved procedures, Regulatory Guides, and industry codes or standards; and in conformance with Technical Specifications.

The following items were considered during this review: the limiting conditions for operation were met while components or systems were removed from service; approvals were obtained prior to initiating the work; activities were accomplished using approved procedures and were inspected as applicable; functional testing and/or calibrations were performed prior to returning components or systems to service; quality control records were maintained; activities were accomplished by qualified personnel; parts and materials used were properly certified; radiological controls were implemented; and fire prevention controls were implemented.

Work requests were reviewed to determine status of outstanding jobs and to ensure that priority is assigned to safety-related equipment maintenance which may affect system performance.

The inspector observed/reviewed troubleshooting of the control circuitry for the number 2 emergency diesel generator on Unit 1.

No violations or deviations were identified.

5. Exit Interview

The NRC inspectors met with Mr. J. M. Levine (Plant General Manager) and other members of the AP&L staff at the end of various segments of this inspection. At these meetings, the inspectors summarized the scope of the inspection and the findings.