

UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF COMPLIANCE
REGION II - SUITE 818
230 PEACHTREE STREET, NORTHWEST
ATLANTA, GEORGIA 30303

TELEPHONE: (404) 526-4503

J. B. Henderson, CO: HQ

In Reply Refer To:

January 28, 1972

CO:II:VLB

50-313/71-5

50-368/71-6

Arkansas Power and Light Company
Attn: Mr. J. D. Phillips
Vice President and Chief Engineer
Sixth and Pine Streets
Pine Bluff, Arkansas 71601

Gentlemen:

This refers to the inspection conducted by Messrs. Brownlee, Crossman, and Cochran of this office on November 3-5, 1971, of activities authorized by AEC Construction Permit No. CPPR-57 for the Arkansas Nuclear One, Unit 1 facility and of your quality assurance program for work to be performed under an exemption from the requirements of 10 CFR 50.10 for the Arkansas Nuclear One, Unit 2 facility. Our findings were discussed by Mr. Brownlee with Messrs. Moore, Bland, and Bean of your staff and Messrs. Curtis, Loth, and Zampieri of Bechtel Engineering Corporation (Bechtel) at the conclusion of the inspection.

Areas examined during the inspection included installation of electrical and instrumentation components and cable, the program for primary loop erection, transport and setting of primary loop major mechanical components for Unit 1, and construction activities authorized by the construction permit exemption for Unit 2. Within these areas, the inspection consisted of selective examinations of procedures and representative records, interviews with site personnel, and observations by the inspectors.

During the inspection, it was found that certain of your activities appeared to be in noncompliance with AEC requirements. The item and reference to the pertinent requirements are included in the enclosure to this letter. Since corrective action was taken prior to completion of the inspection, you need not reply concerning this item.

As discussed with representatives of your staff, certain items were unresolved at the conclusion of the inspection. With regard to separation of safety channel equipment, the inspectors observed that power supplies for two safety channels were contained in the same cable tray and utilized the

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Arkansas Power and
Light Company

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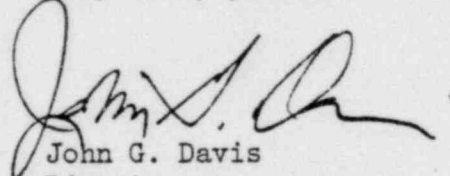
same color coding. This item has been referred to Regulatory Headquarters for further evaluation. We will advise you of the results of this evaluation when it is completed.

With regard to failure of the hydrostatic seal and journal of the main coolant pump and subsequent modifications by the supplier, it is our understanding that the pump will be retested to assure adequacy of the modified design. This item will be examined during subsequent inspections.

With regard to the unscheduled descent of the pressurizer vessel during handling, it is our understanding that ultrasonic examination of the top end area will be performed during the in-service baseline testing. This item will be examined during subsequent inspections.

A reply to this letter is not necessary; however, should you have any questions concerning this letter, you may communicate directly with this office.

Very truly yours,



John G. Davis
Director

Enclosure:
Description of Item
of Noncompliance

ENCLOSURE

DOCKET NOS. 50-313
50-368

Certain items appear to be in noncompliance with 10 CFR 50, Appendix B, "Quality Assurance Criteria for Nuclear Power Plants," as indicated below:

Criterion IX, "Control of Special Processes," states, "Measures shall be established to assure that special processes, including welding, heat treating, and nondestructive testing, are controlled and accomplished by qualified personnel using qualified procedures in accordance with applicable codes, standards, specifications, criteria, and other special requirements."

Contrary to the above, the inspector observed that field weld No. FW CCA-6-5 in the core flooding system of Unit 1 was undergoing repair although the required weld traveler, Form WR-5, "Welding Check List," was not available at the weld.