



UNITED STATES
ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS
REGION II - SUITE 818
230 PEACHTREE STREET, NORTHWEST
ATLANTA, GEORGIA 30303

TELEPHONE: 404/526-4503

In Reply Refer To:
RO:II:VLB
50-313/72-11
50-368/72-7

DEC 19 1972

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, Cochran, McFarland, and Vallish on October 25-27, 1972, 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 Beam of your staff and Messrs. Loth and Sly of Bechtel Engineering Corporation (Bechtel) at the conclusion of the inspection.

Areas examined during the inspection included the reactor vessel and internals modification, control rod drive motor tube extension analyses, main steam and pressurizer safety and relief valves, primary coolant pump and internals installation, pressurizer installation, reactor vessel internals installation, main steam block valves, control rod drive controls system installation, 125 volt vital a.c. system installation, 125 volt vital d.c. system installation, standby power supply, scram trip breaker installation, engineered safeguards electrical system installation, Interim Field and Nonconformance and Disposition Reports, valve wall thickness verification, Document and Weld Material Control, and progress of construction.

Within the scope of this inspection, there were no items of noncompliance identified.

At the conclusion of this inspection, seven items remained unresolved on Unit 1. We understand from discussions with representatives of

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your staff, that AP&L will:

1. Paddle-Type Flow Switches

Obtain information regarding the extent to which paddle-type flow switches are utilized within the nuclear piping systems.

2. Babcock and Wilcox Company (B&W) Safety Cabinets - Internal Panel Wiring

Require that B&W perform an engineering evaluation of all safety cabinets regarding conformance to the separations criteria for internal cabinet wiring.

3. Cable Installation in Control Room and Computer Room False Floor and Floor of Main Control Panels

Require Bechtel to evaluate cable installation under the control room and computer room false floor regarding separations, loading and quality workmanship criteria.

4. Aluminum Instrumentation Housings Located Inside Containment

Determine that the aluminum instrument cases within containment are accounted for in the containment aluminum inventory.

5. Storage and Inspection Program For Installed or Stored In-Place Equipment

Determine that Bechtel does have and is implementing a quality assurance storage and inspection program for installed or stored in-place equipment.

6. General Electric Company (G-E) Reactor Trip Breakers

Obtain test data on the G-E reactor trip breakers (four).

7. Qualification of Containment Instrumentation

Confirm that instruments located within the containment building were designed and qualified to function following the DBA.

We will examine these items further on future inspections.


A copy of the report of this inspection is enclosed. In accordance with Section 2.790 of the AEC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and the enclosed inspection report will be placed in the AEC's Public Document

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Room. If this report contains any information that you (or your contractors) believe to be proprietary, it is necessary that you make a written application within 20 days to this office to withhold such information from public disclosure. Any such application must include a full statement of the reasons on the basis of which it is claimed that the information is proprietary, and should be prepared so the proprietary information identified in the application is contained in a separate part of the document. If we do not hear from you in this regard within the specified period, the report will be placed in the Public Document Room.

If you have any questions concerning this letter, you may communicate directly with this office.

Very truly yours,


John G. Davis
Director

Enclosure:
Inspection Report Nos.
50-313/72-11 and 50-368/72-7

Ltr to Arkansas Power and Light Company

dtd DEC 19 1972

cc w/encl:

J. B. Henderson, RO

J. G. Keppler, RO

RO:HQ (4)

Directorate of Licensing (4)

DR Central Files

cc w/o encl:

PDR

Local PDR

NSIC

DTIE, OR