

U.S. NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT

REGION III

Report No. 50-331/80-18

Docket No. 50-331

License No. DPR-49

Licensee: Iowa Electric Light and Power Company  
Post Office Box 351  
Cedar Rapids, Iowa 52406

Facility Name: Duane Arnold Energy Center

Inspection At: Duane Arnold Energy Center, Palo Iowa

Inspection Conducted: October 1-31, 1980

Inspectors: *J. D. Smith*  
for W. F. Christianson

11-21-80

*J. D. Smith*  
for L. S. Clardy

11-21-80

Approved By: *J. D. Smith*  
for W. S. Little, Chief  
Projects Section 2

11-21-80

Inspection Summary

Inspection on October 1-31, 1980 (Report No. 50-331/80-18)

Areas Inspected: Routine inspections, review and observations of plant operations and maintenance, procedure, documentation and work performed. The inspection involved 159 inspection hours onsite by two NRC inspectors including 15 inspector hours onsite during off-shifts.

Results: Of the areas inspected, no items of noncompliance were identified.

## DETAILS

### 1. Persons Contacted

Iowa Electric Light and Power Company (IE)

- \*D. Mineck, Chief Engineer
- \*J. VanSickel, Technical Engineer
- \*D. Wilson, Assistant Chief Engineer Technical
- \*B. York, Assistant Chief Engineer Operations
- \*D. Teply, Operations Supervisor
- \*C. Mick, Assistant Operations Supervisor

In addition, the inspectors interviewed several other licensee personnel including shift supervising engineers, control room operators, engineering personnel, administrative personnel, and contractor personnel (representing the licensee).

\*Denotes those contacted at the exit interview.

### 2. Operational Safety Verification

The inspector observed control room operations, reviewed applicable logs and conducted discussions with control room operators during the month of October. The inspector verified the operability of selected emergency systems, reviewed tagout records and verified proper return to service of affected components. Tours of the reactor building and turbine building were conducted to observe plant equipment and conditions, including potential fire hazards, fluid leaks, and excessive vibrations and to verify that maintenance requests had been initiated for equipment in need of maintenance. The inspector by observation and direct interview verified that the physical security plan was being implemented in accordance with the station security plan.

The inspector observed plant housekeeping/cleanliness conditions and verified implementation of radiation protection controls. The The inspector also 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.

No items of noncompliance were identified.

### 3. Monthly Maintenance Observation

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 assure that priority is assigned to safety related equipment maintenance which may affect system performance.

No items of noncompliance were identified.

4. Monthly Surveillance Observation

The inspector observed technical specifications required surveillance testing and verified that testing was performed in accordance with adequate procedures, that test instrumentation was calibrated, the 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 and 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.

No items of noncompliance were identified.

5. Inspection of TMI Task Action Plan Category "A" Requirements

The inspector verified that all Category "A" items have been completed satisfactorily by the licensee with the exception of TAP No. 1.A.1.2., Shift Supervisor Administrative Responsibilities. Currently, no specific action or procedures have been implemented to delegate administrative functions that detract from or are subordinate to the management responsibility of the shift supervisor to operations personnel not on duty in the control room. This is a discrepancy with the NRR inspection effort in which all items were found satisfactory as stated in March 10, 1980 letter from T. A. Ippolito to Duane Arnold.

The licensee has agreed to take corrective action to satisfy this requirement by November 14, 1980. This is considered an open item (50-331/80-01).

6. Review of Task Action Plan II.E.4

The inspector reviewed the licensee's commitments to the Interim Position for Containment Purge and Vent Valve Operation. The inspector verified that the commitments, made in a July 14, 1979 letter to NRR, have been implemented. The inspector also verified that Item II.E.4.4 has been satisfied.

7. Exit Interview

Due to the length of the inspection and the diversity of areas inspected, the exit interviews were conducted on a weekly basis between the NRC inspectors and the appropriate licensee personnel.

In each case the scope and findings of the individual inspection areas were summarized.