

May 28, 1985

Docket No. 50-331

Mr. Lee Liu
Chairman of the Board and
Chief Executive Officer
Iowa Electric Light and Power Company
Post Office Box 351
Cedar Rapids, Iowa 52406

Dear Mr. Liu:

The Commission has issued the enclosed Amendment No. 122 to Facility Operating License No. DPR-49 for the Duane Arnold Energy Center. This amendment consists of changes to the Technical Specifications in response to your application dated December 7, 1984.

The amendment revises the Technical Specifications to incorporate the change to conform to the testing requirements of 10 CFR 50, Appendix J, Paragraph III.C.2(b) which requires that the Type C water tests be conducted at a pressure not less than 1.10 Pa.

A copy of the related Safety Evaluation is also enclosed.

Sincerely,

Original signed by/

Mohan C. Thadani, Project Manager
Operating Reactors Branch #2
Division of Licensing

Enclosures:

1. Amendment No. 122 to License No. DPR-49
2. Safety Evaluation

cc w/enclosures:
See next page

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Mr. Lee Liu
Iowa Electric Light and Power Company
Duane Arnold Energy Center

cc:

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

IOWA ELECTRIC LIGHT AND POWER COMPANY
CENTRAL IOWA POWER COOPERATIVE
CORN BELT POWER COOPERATIVE

DOCKET NO. 50-331

DUANE ARNOLD ENERGY CENTER

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 122
License No. DPR-49

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Iowa Electric Light & Power Company, et al, dated December 7, 1984, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. DPR-49 is hereby amended to read as follows:

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(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 122, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. The license amendment is effective as of the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 28, 1985

ATTACHMENT TO LICENSE AMENDMENT NO. 122

FACILITY OPERATING LICENSE NO. DPR-49

DOCKET NO. 50-331

Revise the Appendix "A" Technical Specifications by removing the current page 3.7-24 and inserting the revised page 3.7-24. The revised area is identified by a vertical line.

DAEC-1

NOTES TO TABLE 3.7-2

¹Test volume is filled with demineralized water then pressurized to 1.10 P_a with air or nitrogen for test. For all other penetrations (except 7A-D), test volumes are pressurized to P_a with air or nitrogen for test.

²MO-4441, MO-4442 will be remote manually closed.

³In accordance with 10 CFR 50, Appendix A, General Design Criterion 57, the redundant barriers are a single isolation valve outside containment and a closed system inside. Testing of the single isolation valve only is required.

⁴Tested in reverse direction.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 122 TO LICENSE NO. DPR-49

IOWA ELECTRIC LIGHT AND POWER COMPANY
CENTRAL IOWA POWER COOPERATIVE
CORN BELT POWER COOPERATIVE

DUANE ARNOLD ENERGY CENTER

DOCKET NO. 50-331

1.0 Introduction

By letter dated December 7, 1984, the Iowa Electric Light and Power Company (the licensee) proposed to revise the Duane Arnold Energy Center (DAEC) Technical Specifications (TS) to reflect conformance to the Type C testing criteria of 10 CFR Part 50, Appendix J, Paragraph III.C.2.(b) for containment isolation valves.

The present TS distinguish between those valves tested with air and those tested with water. The DAEC Technical Specifications state that valves tested with water shall be pressurized to 54 psig (P). However, 10 CFR Part 50, Appendix J, Paragraph III.C.2.(b) requires the tests be conducted at a pressure not less than 1.10 P_a. The proposed change request would revise the TS to conform to the Type C testing requirements of 10 CFR Part 50, Appendix J, Paragraph III.C.2.(b), and would change the test pressure from 54 psig to the more restrictive pressure of 1.10 P_a.

2.0 Evaluation

The licensee proposes to change the DAEC Technical Specifications regarding containment isolation valve testing requirements to conform to the Type C testing requirements of 10 CFR 50, Appendix J. Footnote 1 of Table 3.7-2, "Containment Isolation Valves Subject to Type C Test Requirements," distinguishes between those valves tested with air and those tested with water. The footnote states that valves tested with water shall be pressurized to 54 psig or P. However, the required test pressure for water tests as set forth in 10 CFR 50, Appendix J, Paragraph III.C.2.(b) requires that the hydrostatic tests be conducted at a pressure not less than 1.10 P_a. Accordingly, the licensee proposed to revise Table 3.7-2 of the TS to conform to the hydrostatic requirements of 10 CFR Part 50, Appendix J, Paragraph III.C.2.(b) and test at 1.10 P_a. The licensee notes that the piping and valves affected by the proposed increase in testing pressure are designed to withstand pressures of at least 150 psig.

The licensee further proposes to change the numerical references of 54 psig in Table 3.7-2 to P_a.

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Based on our review and the above discussion, we conclude that the proposed changes to the Technical Specifications are more restrictive and in conformance with the Commission's regulations. The proposed change is, therefore, acceptable.

3.0 Environmental Considerations

This amendment involves a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 Conclusion

We have concluded, based on the considerations discussed above, that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: L. Ruth

Dated: May 28, 1985