

June 1, 1984

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. 101 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 January 26, 1984.

The amendment revises the Technical Specifications to incorporate the change in testing frequency of Scram Discharge Volume (SDV) vent and drain valves as a result of completion of the long-term SDV modifications.

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. 101 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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Harold F. Reis, Esquire
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Cedar Rapids, Iowa 52406

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Region VII Office
Regional Radiation Representative
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U. S. Nuclear Regulatory Commission
Resident Inspector's Office
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Palo, Iowa 52324

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Glen Ellyn, Illinois 60137



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. 101
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 January 26, 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. 101, 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 its 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: June 1, 1984

ATTACHMENT TO LICENSE AMENDMENT NO. 101

FACILITY OPERATING LICENSE NO. DPR-49

DOCKET NO. 50-331

Revise the Appendix A Technical Specifications by removing the current page and inserting the revised page listed below. The revised areas are identified by vertical lines.

LIST OF AFFECTED PAGES

3.3 - 2

LIMITING CONDITION FOR OPERATION	SURVEILLANCE REQUIREMENT
<p>b. The control rod directional control valves for inoperable control rods shall be disarmed electrically and the control rods shall be in such position that Specification 3.3.A.1 is met.</p>	<p>b. A second licensed operator shall verify the conformance to Specification 3.3.A.2d before a rod may be bypassed in the Rod Sequence Control System.</p>
<p>c. Control rods with inoperable accumulators or those whose position cannot be positively determined shall be considered inoperable.</p>	<p>c. Once per week when the plant is in operation, check status of pressure and level alarms for each CRD accumulator.</p>
<p>d. Control rods with a failed "Full-in" or "Full-out" position switch may be bypassed in the Rod Sequence Control System and considered operable if the actual rod position is known. These rods must be moved in sequence to their correct positions (full-in on insertion or full-out on withdrawal).</p>	<p>d. Once per quarter verify that:</p> <ul style="list-style-type: none"> (1) the Scram Discharge Volume (SDV) vent and drain valves close within 30 seconds after receipt of a close signal, and (2) after removal of the close signal, that the SDV vent and drain valves are open. Once per month verify that the SDV vent and drain valve position indicating lights located in the control room indicate that the valves are open.
<p>e. Control rods with scram times greater than those permitted by Specification 3.3.C.3 are inoperable, but if they can be inserted with control rod drive pressure they need not be disarmed electrically.</p>	<p>e. Once per cycle verify that:</p> <ul style="list-style-type: none"> (1) the SDV vent and drain valves close within 30 seconds after receipt of a signal for the control rods to scram, and
<p>f. Inoperable control rods shall be positioned such that Specification 3.3.A.1 is met.</p>	<ul style="list-style-type: none"> (2) open when the scram signal is reset.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 101 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 a letter dated January 26, 1984 Iowa Electric Light and Power Company (the licensee) requested a change to the Technical Specifications for the Duane Arnold Energy Center (DAEC) pertaining to the surveillance test frequencies for the Scram Discharge Volume (SDV) vent and drain valves. The licensee stated that the SDV modifications required in the July 3, 1980 I.E. Bulletin 80-17 have been completed and the SDV vent and drain valves operability test frequency of once a month, instituted by the licensee as an interim measure, was no longer needed. The licensee has requested to change the SDV vent and drain valve surveillance frequency from once a month to once every three months.

2.0 Evaluation

The requested amendment to the DAEC Technical Specifications would change Section 4.3.A.2(d) related to the SDV vent and drain valve operability test frequency to permit testing of the valves once every three months. The licensee on its own initiative elected to test the valves once a month in response to the July 3, 1980 I.E. Bulletin 80-17 related to the SDV modifications. The licensee's practice of once a month surveillance of SDV vent and drain valves was an independent and interim action pending completion of the SDV modifications. Having completed the SDV modifications, the licensee has determined that once a month testing of the SDV vent and drain valves is not necessary. Although the change in the SDV vent and drain valves surveillance frequency from once a month to once every three months is a relaxation of the Technical Specifications, the once every three months surveillance frequency is consistent with the Commission's regulations and the Standard Review Plan, Section 3.9.6 related to inservice testing of the valves. We, therefore, find the licensee's request for the revision to the SDV vent and drain valves surveillance frequency acceptable.

3.0 Environmental Considerations

We have determined that the amendment does not authorize a change in

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effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact, and pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement, or negative declaration and environmental impact appraisal need not 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: M. Thadani

Dated: June 1, 1984