

February 26, 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. 112 to Facility Operating License No. DPR-49 for the Duane Arnold Energy Center. This amendment is in response to your application dated September 26, 1984, as supplemented October 26, 1984.

The amendment revises the license to remove the commitment of the use, by the Security Force, of rifles from the Duane Arnold Energy Center Security Plan and the Guard Training and Qualification Plan. We are also updating the license to incorporate any 50.54(p) changes that have occurred.

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. 112 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:

Jack Newman, Esquire
Harold F. Reis, Esquire
Newman and Holtzinger
1615 L Street, N. W.
Washington, D. C. 20036

Mr. Thomas Houvenagle
Regulatory Engineer
Iowa Commerce Commission
Lucas State Office Building
Des Moines, Iowa 50319

Office for Planning and Programming
523 East 12th Street
Des Moines, Iowa 50319

Chairman, Linn County
Board of Supervisors
Cedar Rapids, Iowa 52406

Iowa Electric Light and Power Company
ATTN: D. L. Mineck
Post Office Box 351
Cedar Rapids, Iowa 52406

U. S. Nuclear Regulatory Commission
Resident Inspector's Office
Rural Route #1
Palo, Iowa 52324

James G. Keppler
Regional Radiation Representative
Region III Office
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
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. 112
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 September 26, 1984, as supplemented October 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, Facility Operating License No. DPR-49 is hereby amended by reformatting paragraph 2.C(5) to read as follows:
 - 2.C(5) The licensee shall fully implement and maintain in effect all provisions of the Commission approved physical security, guard training and qualification, and safeguards contingency plans, including amendments made pursuant to the authority of 10 CFR 50.54(p). The approved plans, which contain Safeguards Information as described in 10 CFR 73.21, are collectively entitled:

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"Duane Arnold Energy Center Security Plan" dated December 1, 1978, January 19, March 9 and March 21, 1979, as revised through revisions dated January 1984 (transmittal letter dated January 12, 1984), as revised by revision dated February 1984 (transmittal letter dated February 27, 1984), as revised by revision dated September 1984 (transmittal letter dated September 26, 1984); "Duane Arnold Energy Center Safeguards Contingency Plan," dated April 1980, as revised through revision dated January 1984 (transmittal letter dated January 12, 1984); "Duane Arnold Energy Center Guard Training and Qualification Plan" dated January 29, 1982, as revised April 1, 1982, as revised through revisions dated January 1984 (transmittal letter dated January 12, 1984), as revised by undated revisions (transmittal letter dated July 30, 1984), as revised by revision dated September 1984 (transmittal letter dated September 26, 1984) as revised by revision dated October 1984 (transmittal letter dated October 26, 1984).

3. This 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

Date of Issuance: February 26, 1985



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 112 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

On September 26, 1984, as supplemented October 26, 1984, the Iowa Electric Light and Power Company (the licensee) filed with the Nuclear Regulatory Commission for the Duane Arnold Energy Center (DAEC) pursuant to 10 CFR 50.90, a proposed amendment to its Facility Operating License No. DPR-49. The amendment would approve revisions to its approved Security Plan and Guard Training and Qualification Plan.

The proposed change would delete from the security and guard training and qualifications plans commitments to utilize two types of shoulder-fired weapons. 10 CFR 73.55 requires that armed guards be immediately available to fulfill response requirements and to use force sufficient to counter the force directed at them including the use of deadly force. Appendix B of 10 CFR 73.55 requires each guard to be qualified in the use of assigned weapons. The licensee has complied with these requirements. Currently, DAEC response guards are trained in, and have immediately available, two types of shoulder-fired weapons. The licensee is now requesting that the commitment in the security and guard training and qualification plans be changed to eliminate one of the two weapons available to the guard force during a security event.

2.0 Evaluation

NRC physical security requirements do not explicitly require that shoulder-fired weapons be available onsite for response purposes. However, the staff has consistently maintained that either shotguns or semi-automatic rifles (but not both) were necessary to satisfy the response requirements of Section 73.55(h), particularly in regard to neutralization of the threat as set forth in subparagraph (4)(iii) of the Section. This position is stated in paragraph 3.6 of NUREG-0908. The licensee's justification for deleting one type of response weapon from the site armament is based on site specific considerations. The staff has reviewed the licensee's proposal in this regard and concluded that the compensating features identified (size and configuration of the defended area, and the proximity of offsite response forces) do reduce the need to maintain both types of defense weaponry. Accordingly, the staff finds that the amended Security

Plan for DAEC continues to satisfy the requirements of 10 CFR 73.55(b) through (h), and Appendices B and C to Part 73.

3.0 Environmental Considerations

This amendment relates solely to safeguards matters and does not involve any significant construction impacts. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(12). 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: R. F. Skelton

Dated: February 26, 1985