

May 22, 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. 99 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 27, 1984.

This amendment revises the Technical Specifications to incorporate the minimum staffing requirements pursuant to the requirements of 10 CFR 50.54(m)(2). Other Technical Specification changes requested in the January 27, 1984 submittal are being handled as separate actions.

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. 99 to  
License No. DPR-49
2. Safety Evaluation

cc w/enclosures:  
See next page

DISTRIBUTION  
Docket File  
NRC PDR  
Local PDR  
ORB#2 Reading  
LCrocker

DEisenhut  
SNorris  
MThadani  
OELD  
LJHarmon

ELJordan  
JNGrace  
TBarnhart (4)  
WJones  
DBrinkman

ACRS (10)  
OPA, CMiles  
RDiggs  
Gray File  
Extra - 5

DL:ORB#2  
SNorris:ajs  
05/11/84

DL:ORB#2  
MThadani  
05/14/84

DL:ORB#2  
DVassallo  
05/14/84

OELD  
W.D. Paton  
05/15/84

DL:AD/OR  
GLainas  
05/21/84

8406060142 840522  
PDR ADOCK 05000331  
PDR

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

cc:

Mr. Jack Newman, Esquire  
Harold F. Reis, Esquire  
Newman and Holtzinger  
1025 Connecticut Avenue, N. W.  
Washington, D. C. 20036

Mr. Thomas Houvengale  
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. Environmental Protection  
Agency  
Region VII Office  
Regional Radiation Representative  
324 East 11th Street  
Kansas City, Missouri 64106

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. 99  
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 27, 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:

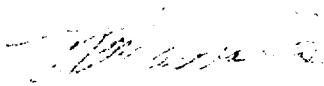
8406060147 840522  
PDR ADOCK 05000331  
P PDR

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 99, 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:

ATTACHMENT TO LICENSE AMENDMENT NO. 99

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 area is identified by a vertical line.

LIST OF AFFECTED PAGES

6.2-3

TABLE 6.2-1

## MINIMUM SHIFT CREW PERSONNEL AND LICENSE REQUIREMENTS

<u>DAEC Job Title</u>	<u>Reactor Mode</u>	
	<u>Other Than Cold Shutdown</u>	<u>Cold Shutdown</u>
"A" Operations Shift Supervisor	1 - SLO(1)	1 - SLO(1)
"B" Operations Shift Supervisor	1 - SLO(1)(2)	
Nuclear Station Operating Engineer	1 - LO	1 - LO
Assistant Nuclear Station Operating Engineer	1 - LO	
Second Assistant Nuclear Station Operating Engineer	1	1
Nuclear Station Auxiliaries Engineer	1	
Shift Technical Advisor	<u>1(2)</u>	<u>None Required</u>
Minimum Total Personnel	<u>7</u>	<u>3</u>

SLO - Senior Licensed Operator

LO - Licensed Operator

Substitutions - without changing minimum total personnel requirements:

- a. Individuals with senior operator license may substitute for licensed operator or nonlicensed position.
- b. Individuals with operator license may, if otherwise qualified, substitute for nonlicensed position.

NOTES

- (1) Does not include the SLO or SLO Limited to Fuel Handling, Supervising Core Alterations.
- (2) Not required while in the Refuel Mode.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 99 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 January 27, 1984, the Iowa Electric Light and Power Company (the licensee) requested a number of changes to the Duane Arnold Energy Center (DAEC) Technical Specifications including a change to meet the staffing requirements established in 10 CFR 50.54(m)(2). This Safety Evaluation relates only to the matter of the licensee's compliance with the staffing rule, 10 CFR 50.54(m)(2). The other Technical Specification changes requested in the licensee's January 27, 1984 submittal will be handled as separate actions.

2.0 Evaluation

The licensee proposes to revise Table 6.2-1 on page 6.2-3 of the Technical Specifications to specify that in all operating modes other than cold shutdown, the minimum shift crew will consist of two licensed senior reactor operators (the "A" Operations Shift Supervisor and the "B" Operations Shift Supervisor), two licensed reactor operators (the Nuclear Station Operating Engineer and the Assistant Nuclear Station Operating Engineer), and a Shift Technical Advisor. For cold shutdown conditions, one licensed senior reactor operator (the "A" Operations Shift Supervisor), one licensed reactor operator (the Nuclear Station Operating Engineer), and one nonlicensed operator (the Second Assistant Nuclear Station Operating Engineer) will constitute the minimum shift crew. In the refueling mode, one senior reactor operator, two reactor operators and two nonlicensed operators will constitute the minimum shift crew in addition to a licensed senior operator or senior operator limited to fuel handling, who is supervising core alterations.

We have examined the licensee's proposed shift crew staffing plan. We find that the proposed plan meets the minimum staffing requirements as set forth in 10 CFR 50.54(m)(2) and is, therefore, acceptable.

3.0 Environmental Considerations

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will

8406060149 840522  
PDR ADOCK 05000331  
P PDR

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: L. Crocker

Dated: May 22, 1984