

7/21/77

Docket No. 50-331

Iowa Electric Light & Power Company  
ATTN: Mr. Duane Arnold, President  
Security Building  
P. O. Box 351  
Cedar Rapids, Iowa 52406

Gentlemen:

The Commission has requested the Office of the Federal Register to publish the enclosed notice of proposed issuance of Amendment to Facility Operating License for the Duane Arnold Energy Center. The proposed amendment would revise the Technical Specifications to reflect the reevaluation of the Emergency Core Cooling System (ECCS) cooling performance submitted in accordance with the March 11, 1977 NRC exemption from the requirements of 10 CFR 50.46.

The action proposed is in accordance with your application for amendment dated June 24, 1977.

Sincerely,

George Lear, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

Enclosure:  
Federal Register Notice

cc: See next page

*Joe Scinto rewrote the Federal Register notice on 7/19/77 JLC.*

*Const. 1  
GD*

OFFICE ➤	ORB#3	ORB#3	OELD	ORB#3		
SURNAME ➤	CParrish <i>CP</i>	RClark <i>RC</i>	<i>See P.D for Joe Scinto's signature</i>	GLear <i>GL</i>		
DATE ➤	7/1/77	7/7/77	7/21/77	7/21/77		

Iowa Electric Light Power Company - 2 -

cc:

Mr. Robert Lowenstein, Esquire  
Harold F. Reis, Esquire  
Lowenstein, Newman, Reis and Axelrad  
1025 Connecticut Avenue, N. W.  
Washington, D. C. 20036

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 & Power Company  
ATTN: Ellery L. Hammond  
P. O. Box 351  
Cedar Rapids, Iowa 52406

Chief, Energy Systems Analysis Branch (AW-459)  
Office of Radiation Programs  
U. S. Environmental Protection Agency  
Room 645, East Tower  
401 M Street, S. W.  
Washington, D. C. 20460

U. S. Environmental Protection Agency  
Region VII  
ATTN: EIS COORDINATOR  
1735 Baltimore Avenue  
Kansas City, Missouri 64108

Cedar Rapids Public Library  
426 Third Avenue, S. E.  
Cedar Rapids, Iowa 52401

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-331

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

NOTICE OF PROPOSED ISSUANCE OF AMENDMENT TO  
FACILITY OPERATING LICENSE

The Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. DPR-49, issued to Iowa Electric Light and Power Company, Central Iowa Power Cooperative, and Corn Belt Power Cooperative (the licensees), for operation of the Duane Arnold Energy Center, located in Linn County, Iowa.

The amendment would revise the provisions in the Technical Specifications relating to the Maximum Average Planar Linear Heat Generation Rates (MAPLHGR) for the Duane Arnold fuel. In response to the requirement of the exemption granted to the licensee on March 11, 1977, the licensee has submitted on June 24, 1977 a reevaluation of the Emergency Core Cooling System (ECCS) cooling performance. This reevaluation not only corrected the errors noted in the March 11, 1977 exemption but also included the effect of certain other recently approved changes in the ECCS evaluation models. These changes would permit an increase in authorized Maximum Average Planar Linear Heat Generation Rate (MAPLHGR), and are the aspects of the amendment covered by this notice.

The Commission will act upon the amendments upon: (1) the completion of a Safety Evaluation by the Office of Nuclear Reactor Regulation; and (2) completion of the findings required by the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations.

By August 29, 1977 the licensees may file a request for a hearing and any person whose interest may be affected by this proceeding may file a request for a hearing in the form of a petition for leave to intervene with respect to the issuance of the amendment to the subject facility operating license.

Petitions for leave to intervene must be filed under oath or affirmation in accordance with the provisions of §2.714 of 10 CFR Part 2 of the Commission's regulations. A petition for leave to intervene must set forth the interest of the petitioner in the proceeding, how that interest may be affected by the results of the proceeding, and the petitioner's contentions with respect to the proposed licensing action. Such petitions must be filed in accordance with the provisions of this FEDERAL REGISTER notice and Section 2.714, and must be filed with the Secretary of the Commission, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Docketing and Service Section, by the above date. A copy of the petition and/or request for a hearing should be sent to the Executive Legal Director, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, and to Mr. Robert Lowenstein, Esquire, Lowenstein, Newman, Reis and Axelrad, 1025 Connecticut Avenue, N. W., Washington, D. C. 20036, the attorney for the licensee.

A petition for leave to intervene must be accompanied by a supporting affidavit which identifies the specific aspect or aspects of the proceeding as to which intervention is desired and specifies with particularity the facts on which the petitioner relies as to both his interest and his contentions with regard to each aspect on which intervention is requested. Petitions stating contentions relating only to matters outside the Commission's jurisdiction will be denied.

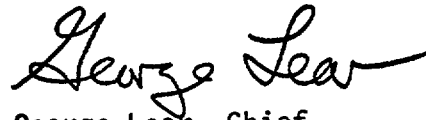
All petitions will be acted upon by the Commission or licensing board, designated by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel. Timely petitions will be considered to determine whether a hearing should be noticed or another appropriate order issued regarding the disposition of the petitions.

In the event that a hearing is held and a person is permitted to intervene, he becomes a party to the proceeding and has a right to participate fully in the conduct of the hearing. For example, he may present evidence and examine and cross-examine witnesses.

For further details with respect to this action, see the application for amendment dated June 24, 1977, which is available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. and at the Cedar Rapids Public Library, 426 Third Avenue, S. E., Cedar Rapids, Iowa 52401.

Dated at Bethesda, Maryland, this 21 day of July 1977.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script that reads "George Lear". The signature is written in dark ink and is positioned above the printed name and title.

George Lear, Chief  
Operating Reactors Branch #3  
Division of Operating Reactors

PRELIMINARY DETERMINATION

NOTICING OF PROPOSED LICENSING AMENDMENT

Licensee: Iowa Electric Light and Power Company  
Duane Arnold Energy Center  
Docket No. 50-331

Request for: Technical Specification change allowing operation of the facility at new values of the Limiting Average Planar Linear Heat Generation Rate (LAPLHGR).

Request Date: June 27, 1977

Proposed Action: ☒ Pre-notice Recommended

☐ Post-notice Recommended

☐ Determination delayed pending completion of Safety Evaluation

Basis for Decision: The proposed change in the Duane Arnold Energy Center (DAEC) Technical Specifications would increase LAPLHGRs for all fuel types. This change resulted from a re-evaluation of the Emergency Core Cooling System (ECCS) performance analysis. This re-evaluation was required by the NRC as stated in an exemption dated March 11, 1977 to 10 CFR 50.46 which had been prepared to address the generic justification of errors in the General Electric (GE) ECCS performance code.

The element of the definition of "significant hazards consideration" which makes this a "pre-notice" action is the decrease in safety margin inherent in the increase of LAPLHGRs.

Proposed NEPA Action: ☐ EIS Required

☒ Negative Declaration (ND) and Environmental Impact Appraisal (EIA) Required

☐ No EIS, ND or EIA Required

☐ Determination delayed pending completion of EIA

Basis for Decision: An ND and EIA will be prepared. Therefore we plan to justify our position on not issuing an EIS.

CONCURRENCES:

1. Richard J. Clark 6 July 1977  
R. J. Clark Dated
2. George Lear July 3, 1977  
G. Lear Dated
3. Karl R. Goller 7/21/77  
K. R. Goller Dated

4. \_\_\_\_\_ Dated  
OELD

Okay but  
check preliminary  
Stello's since  
is a "lead" case  
B

Mtg w/ Stello et al held on 7/18/77.  
J. Santo prepared new "Pre Notice" package  
as result of mtg. Pre Notice as shown  
herein is that which Joe prepared on 7/20/77.