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FROM: Newman, Reis & Axelrad Washington, D.C. 20036 Newman, Reis & Axelrad		DATE OF DOC 2-4-74		DATE REC'D 2-4-74		LTR X	MEMO	RPT	OTHER
TO: J. F. O'Leary		ORIG 1 signed		CC	OTHER	SENT AEC PDR X SENT LOCAL PDR X			
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 40		DOCKET NO: 50-331			

DESCRIPTION: Ltr trans the following: PLANT NAME: Duane Arnold Energy Center	ENCLOSURES: Modifications to the Operator Requalification Program DO NOT REMOVE ACKNOWLEDGED (1 Orig & 39 cys rec'd)
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FOR ACTION/INFORMATION 2-4-74 GC

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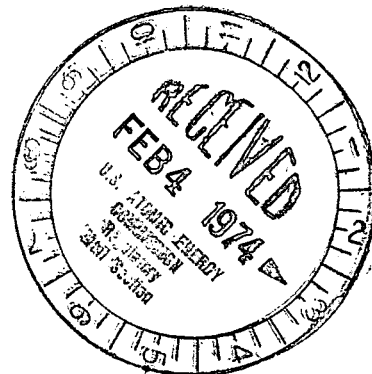
Regulatory Docket File

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February 4, 1974

Mr. John F. O'Leary
Director of Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

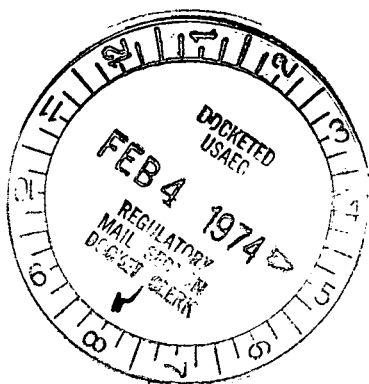
Re: Iowa Electric Light and Power
Company, Central Iowa Power
Cooperative and Corn Belt Power
Cooperative
Duane Arnold Energy Center
Docket No. 50-331

Dear Mr. O'Leary:

This is with reference to our letter of January 14, 1974, transmitting on behalf of the above-named Applicant, copies of the "Duane Arnold Energy Center Reactor Operator Training Program" ("Program") including the operator requalification program required by 10 CFR 55, Appendix A and our letter of January 25, 1974, transmitting certain revisions of the Program.

Pursuant to further discussions with your staff, certain additional modifications have been made in the program and these are set forth in the following revised pages transmitted herewith in forty (40) copies:

Page 5
Page 6
Attachment 4



Very truly yours,

Newman, Reis & Axelrad
NEWMAN, REIS & AXELRAD
Attorneys for Iowa Electric
Light and Power Company

Enclosures

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Received w/ Ltr Dated 1-4-74

III. Licensed Operator Retraining Program

A continuous retraining program will be conducted in order to keep operator and Senior operator proficiency at a high level. This program will consist of the following:

A. Evaluation Examinations

1. Examinations will be administered to each licensed operator and Senior operator at least annually.
2. Reactor operator examination categories will be:
 - A. Principles of Reactor Operation
 - B. Features of Facility Design
 - C. General Operating Characteristics
 - D. Instruments and Controls
 - E. Safety and Emergency Systems
 - F. Standard and Emergency Operating Procedures
 - G. Radiation Control and Safety
3. Senior Operator examination categories will be:
 - H. Reactor Theory
 - I. Radioactive Material Handling, Disposal and Hazards
 - J. Specific Operating Characteristics
 - K. Fuel Handling and Core Parameters
 - L. Administrative Procedures, Conditions and Limitations
4. Each license operator or senior licensed operator failing to achieve an overall examination grade of 70% will be relieved of his licensed duties in a timely manner and will be required to participate in an accelerated requalification program. A judgment will be made by the Assistant Chief Engineer at the time of failure as to how the accelerated program may best be administered.
5. The following information in relation to evaluation examinations will become a permanent part of each license holders training file.
 - a. A copy of examination questions.
 - b. Copy of licensees answers and numerical grade given for that answer.
 - c. Licensees achieved grade on each exam section and his overall percentage grade. See attachment 1, page 1.
 - d. Recommendations for retraining on those sections that licensee fails to achieve a grade of 70 percent.

B. On-Site Lecture Series

1. A pre-planned on-site lecture series will be conducted on a regular and continuing basis. The following general sections will comprise the lecture series with the approximate time per section noted.
 - a. Reactor Theory (8 hours)
 - b. Facility Design Features (4 hours)
 - c. Instrumentation and Control (8 hours)
 - d. Radiation Protection (4 hours)
 - e. Station Operating and Emergency Instructions (8 hours)
 - f. ECCS and Their Performance (8 hours)
 - g. Specific Operating Characteristics (8 hours)
 - h. Fuel Handling and Core Parameters (4 hours)
 - i. Technical Specifications (4 hours)
 - j. Chemistry and Waste Disposal (4 hours)
 - k. Applicable Portions of 10 CFR, Code of Federal Regulations (4 hours)
2. Each licensed operator and senior licensed operator shall attend a lecture series regardless of his examination performance, where practical. However, individual attendance at a specific lecture is mandatory if the individual achieved a grade of less than 80% on the applicable section of the annual evaluation examination. Periodic examinations will be administered throughout the lecture series. A grade of 80% will be considered passing.
3. The normal lecture series will be scheduled so that each individual will have the opportunity to attend each lecture in the normal course of his shift routine.
4. The Operations Supervisor will insure the following records are maintained for the lecture series.
 - a. Attendance records. See attachment #2.
 - b. Periodic quizzes administered, the answers given by licensees and numerical grades assigned.
 - c. Schedule and curriculum record.

C. Operator Review Program

1. A document review notebook shall be maintained in the control room. The Operations Supervisor shall periodically enter updated revisions of the below listed documents into this notebook for review by all licensed personnel.

SIGNIFICANT REACTIVITY CONTROL MANIPULATIONS

1. Any reactivity change resulting in a controlled reactor startup to the point of adding heat or reactivity manipulations during a plant shutdown.
2. Any reactivity control manipulation which results in a controlled heatup or cooldown rate of $\pm 5^{\circ}\text{F/hr.}$ or greater, when averaged over 1 hour.
3. Any reactivity control manipulation which results in an actual reactor thermal power change of 10% or greater.
4. Control Rod Scram Testing
5. Control Rod Venting and Speed adjustment
6. Turbine Control System testing which results in 1 bypass valve being cycled 50% or greater.
7. Any Surveillance test that causes a reactivity change - for example:
 - a. High Pressure Coolant Injection System Testing.
 - b. Auto Depressurization System Testing.
 - c. Main Steam Isolation Valve Testing.