



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

MAY 10 1977

Docket No. 50-331

Iowa Electric Light and Power Company
ATTN: Mr. Duane Arnold
President
IE Towers
P. O. Box 351
Cedar Rapids, IA 52406

Gentlemen:

This refers to the inspection conducted by Mr. I. N. Jackiw of this office on April 26 and 27, 1977, of activities at the Duane Arnold Energy Center authorized by NRC Operating License No. DPR-49 and to the discussion of our findings with Mr. Hammond at the conclusion of the inspection.

The enclosed copy of our inspection report identifies areas examined during the inspection. Within these areas, the inspection consisted of a selective examination of procedures and representative records, observations, and interviews with personnel.

During this inspection, certain of your activities appeared to be in noncompliance with NRC requirements, as described in the enclosed Appendix A.

This notice is sent to you pursuant to the provisions of Section 2.201 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations. Section 2.201 requires you to submit to this office within twenty days of your receipt of this notice a written statement or explanation in reply, including for each item of noncompliance: (1) corrective action taken and the results achieved; (2) corrective action to be taken to avoid further non-compliance; and (3) the date when full compliance will be achieved.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter, the enclosures, and your response to this letter will be placed in the NRC's Public Document Room, except as follows. If the enclosures contain information that you or your contractors believe to be proprietary, you

Iowa Electric Light and
Power Company

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must apply in writing to this office, within twenty days of your receipt of this letter, to withhold such information from public disclosure. The application must include a full statement of the reasons for which the information is considered proprietary, and should be prepared so that proprietary information identified in the application is contained in an enclosure to the application.

We will gladly discuss any questions you have concerning this inspection.

Sincerely,

Gaston Fiorelli, Chief
Reactor Operations and
Nuclear Support Branch

Enclosures:

1. Appendix A, Notice of Violation
2. IE Inspection Report
No. 50-331/77-07

cc w/encl:

Mr. E. L. Hammond,
Chief Engineer
Central Files
Reproduction Unit NRC 20b
PDR
Local PDR
NSIC
TIC

OFFICE	R111 <i>JWT</i>	R111	R111	R111		
SURNAME	Jackiw/Is	Knop <i>RCK</i>	Fiorelli <i>RCK</i>	Riste <i>RCK</i>		
DATE	5/9/77					

Appendix A

NOTICE OF VIOLATION

Based on the inspection conducted on April 26-27, 1977, it appears that certain of your activities were in noncompliance with NRC requirements, as noted below. This item is an infraction.

Contrary to 10 CFR 50, Appendix B, Criterion V, Administrative Control Procedure 1401.4 was not adhered to in that a Maintenance Action Request (MAR) was not used to authorize and control work involving the drilling of fuel assembly lower tie plates.

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION III

Report No. 50-331/77-07

Docket No. 50-331

License No. DPR-49

Licensee: Iowa Electric Light and Power Company
IE Towers
P. O. Box 351
Cedar Rapids, IA 52406

Facility Name: Duane Arnold Energy Center

Inspection at: Duane Arnold Site, Palo, IA

Inspection Conducted: April 26 and 27, 1977

Inspector:

I. N. Jackiw
I. N. Jackiw

5/9/77
date signed

Approved by:

R. C. Knop
R. C. Knop, Chief
Reactor Projects Section

5/9/77
date signed

Inspection Summary

Inspection on April 26-27, 1977 (Report No. 50-331/77-07)

Area Inspected: Routine, unannounced inspection of activities relating to fuel assembly lower tie plate drilling. The inspection involved 11 inspector-hours on site by one NRC inspector.

Results: One item of noncompliance was identified in the one area inspected. (Infraction, Failure to adhere to procedures for the control of plant work. Paragraph 2)

DETAILS

1. Persons Contacted

E. Hammond, Chief Engineer
D. Mineck, Assistant Chief Engineer
L. Hannen, Reactor and Plant Performance Engineer

2. Fuel Bundle Modification

The inspector reviewed records relating to the fuel bundle lower tie plate drilling and verified the following: procedures were reviewed and approved by the Operations Committee; a monitor was in use to measure air activity in the work area; personnel involved in the drilling was documented; and the drilling equipment was checked and tested prior to its use.

While reviewing these records the inspector noted that contrary to Administrative Control Procedure No. 1401.4, "Control of Plant Work" Revision 3, dated May 19, 1976, a Maintenance Action Request (MAR) was not used to authorize and control the lower tie plate drilling activity.

This finding represents noncompliance with requirements relating to adherence to procedures in 10 CFR 50, Appendix B, Criteria V.

With regard to the control of the drilling activity, the inspector determined that other than the failure to use a MAR, no other discrepancies were noted in this area.

3. Radiation Control

The inspector verified that the following radiation control measures were being employed by the licensee: The work area was roped off; work area access controls were implemented; monitoring of radiation levels at personnel work area had been initiated; valid radiation work permits were in effect; and airborne contamination was being monitored.

No items of noncompliance or deviations were identified.

4. Inspection of Activities During Modification

The inspector observed the in-process modification which included review of in-process records and documentation; verification of

recording and sequential signoff of procedural items; determination that proper work practices are being complied with; determination that personnel performing the work appear knowledgeable; verification that procedures are being followed; and verification that drilling data sheets are being completed properly.

No items of noncompliance or deviations were identified.

5. Exit Interview

The inspector met with the Chief Engineer at the conclusion of the inspection on April 27, 1977. The inspector summarized the purpose and scope of the inspection and the findings. With regard to the item of noncompliance Mr. E. Hammond, Chief Engineer stated that he would review the applicability of the MAR system to the fuel bundle lower tie plate drilling work.

In a subsequent telecon discussion with the licensee on May 3, 1977, the inspector stated that failure to initiate a MAR is considered an item of noncompliance.