



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

JUN 24 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. J. L. Barker of this office on June 14-16, 1977, of activities at Duane Arnold Energy Center authorized by NRC Operating License No. DPR-49 and to the discussion of our findings with Mr. E. Hammond and others of your staff 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.

No items of noncompliance with NRC requirements were identified during the course of this inspection.

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 and the enclosed inspection report will be placed in the NRC's Public Document Room, except as follows. If this report contains information that you or your contractors believe to be proprietary, you 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.

Iowa Electric Light
and Power Company

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JUN 24 1977

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

Sincerely,

Gaston Fiorelli, Chief
Reactor Operations and
Nuclear Support Branch

Enclosure: IE Inspection
Report No. 50-331/77-12

cc w/encl:

E. L. Hammond, Chief
Engineer

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OFFICE	RIII	RIII	RIII	RIII		
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DATE	6/23/77					

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

REGION III

Report No. 50-331/77-12

Docket No. 50-331 License No. DPR-49

Licensee: Iowa Electric Light and Power
Company
IE Towers
P. O. Box 357
Cedar Rapids, IA 52406

Facility Name: Duane Arnold Energy Center

Inspection at: Duane Arnold Site, Palo, IA

Inspection conducted: June 14-16, 1977

Inspector: *J. L. Barker*
J. L. Barker

6/24/77
date signed

Approved by: *W. S. Little*
W. S. Little, Chief
Nuclear Support Section

6/24/77
date signed

Inspection Summary

Inspection on June 14-16, 1977 (Report No. 50-331/77-12)

Areas Inspected: Routine, unannounced inspection of initial training, replacement training, and retraining of licensed and nonlicensed personnel and licensed operator requalification training. The inspection involved 18 inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

- *E. Hammond, Chief Engineer
- *D. Mineck, Assistant Chief Engineer
- *J. Gebert, Maintenance Superintendent
- *D. Wilson, Technical Engineer
- *K. Young, Radiation Protection Engineer
- *R. Rinderman, Quality Supervisor
- *D. Kalivitinos, Training Coordinator
- *R. Rockhill, Mechanical Maintenance Supervisor
- *J. VanSickle, Engineering Assistant
- J. Vinquist, Electrical Maintenance Supervisor

The inspector also interviewed six other licensee employees. They included two electrical maintenance technicians, two mechanical maintenance technicians, one quality technician and one clerk/typist.

*Denotes those present at the exit interview.

2. Training

The training program was reviewed to ascertain whether the overall training activities for new employees and the retraining for non-licensed personnel are in conformance with Technical Specification requirements and commitments in the FSAR. The inspector verified that formal training or retraining programs have been established for new employees, temporary or service personnel, nonlicensed/licensed personnel, technicians, and craft personnel; that the formal training program for personnel listed above covers administrative controls and procedures, radiological health and safety, industrial safety, controlled access and security procedures, emergency plan, and quality assurance; that the retraining program for technician and craft personnel includes on-the-job training, formal technical training, and fire fighting training; that responsibilities have been assigned to assure that training program requirements have been met; and that all female employees are provided instructions concerning prenatal radiation exposure.

The inspector reviewed licensee procedures ACP 1401.5, "Plant Indoctrination and Training Program," QAD 1301.5, "Indoctrination and Training Program," and the Operator Qualification and Requalification Program Manual. Six nonlicensed personnel general training

records were reviewed. During the inspection the licensee implemented a major revision to the facility training program, Duane Arnold Energy Center (DAEC) Training Programs Administrative Manual. The inspector also reviewed this plan to insure conformance with Technical Specification requirements and commitments in the FSAR. The new training program was broken into five sections, including a Program Introduction, General Employee Training, Departmental Training, Special Training (i.e. fire, first aid), and License Training. Security departmental training and license training programs were not approved and implemented pending formal approval and recommendations by Nuclear Reactor Regulation (NRR). General employee training is under the cognizance of the Radiation Protection Department and includes: QA Indoctrination, Station Emergency Plan Procedure Indoctrination, Industrial Health and Safety Indoctrination, Facility Access Control and Security Indoctrination, Plant Radiation Protection, and Respiratory Training. Technical and craft training and retraining is a departmental responsibility. Each department supervisor is responsible (by signature) for the verification of training and retraining completion by those personnel under his cognizance. It is his responsibility that his personnel attain and maintain the profession and technical expertise to safely perform the duties they are assigned. All station personnel training documentation will be kept in a central location under the direction of the Training Coordinator.

No items of noncompliance or deviations were identified.

3. Licensed Operator Requalification Training

The requalification program was reviewed to ascertain whether the licensed operator requalification training program is effective and in conformance with Regulatory requirements. The inspector verified that an operator requalification training program has been established and includes preplanned lectures, attendance documentation, and identification of specific training aids to be used in lieu of an instructor; the on-the-job training requirements have been specified to include control manipulations, discussion/review of changes in facility design, procedures, and license; and that records of licensed individuals are maintained to include completed course and yearly examinations, documentation of manipulations, documentation of required simulations of emergency and abnormal conditions, results of supervisory evaluations of examinations, results of supervisory evaluations and observation of manipulations and simulations identified above, documentation of individual study, and documentation of accelerated requalification training.

The inspector reviewed the records of seven licensed Senior Reactor Operators and fourteen licensed Reactor Operators to verify that the licensee's approved requalification training program was being properly implemented.

No items of noncompliance or deviations were identified.

4. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on June 16, 1977. The inspector summarized the scope and findings of the inspection.