

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

REGION III

Report No. 50-331/79-19

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, Iowa

Inspection Conducted: July 24-26, 1979

Inspectors: W. J. Key

W. J. Key
8/16/79

J. J. Harrison
J. J. Harrison

8/15/79

H. H. Livermore
H. H. Livermore

8/15/79

Approved By: *D. H. Danielson*
D. H. Danielson, Chief
Engineering Support Section 2

8/16/79

Inspection Summary

Inspection on July 24-26, 1979 (Report No. 50-331/79-19)

Areas Inspected: Review of specifications, material certifications, receipt inspection, and material storage for the torus support reinforcement installation. The inspection involved a total of 48 on site inspection-hours by three NRC inspectors.

Results: No items of noncompliance or deviations were identified.

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DETAILS

Persons Contacted

Iowa Electric Light and Power Company

*K. V. Harrington, Staff Engineer
*T. B. Shugrat, Project Engineer
*B. Shiffel, Quality Assurance Engineer
B. McCrackon, Site Quality Engineer
D. Rockhill, Mach. Maintenance Supervisor

Functional or Program Areas Inspected

1. Specification Review

The following specifications for the torus support reinforcement installation were reviewed by the inspectors.

Carbon Steel Plate Specification
10W-05-039, Revision 1

Weld Material Specification
10W-05-040, Revision 0

Installation Specification
10W-05-041, Revision 0

Cleaning and Painting Specification
10W-05-042, Revision 0

Expansion Bearing Plate Specification
10W-05-044, Revision 0

Design Specification
10W-05-048, Revision 0

Installation Drawing Shts. 1 & 2
10W-0507-01, Revision 1

Shop Detail Drawing Shts 1 & 2
10W-0507-02, Revision 1

Material Transport Routing Shts 1 & 2

No items of noncompliance or deviations were identified.

2. Material Certifications

The following materials intended for use on the torus modification were ordered on P.O. No. 18723 and receipt inspected on report No. 78-188. Records for these materials were reviewed by the inspector.

Item No. 1, Carbon Steel Plate
Heat No. 431B2601, 432B0691

Item No. 2, Carbon Steel Plate
Heat No. 422B7231, 421B259, 421B2761, 431B2601

Item No. 3, Carbon Steel Plate
Heat No. 411B7471

Item No. 4, Carbon Steel Plate
Heat No. 74D255

Item No. 5, Carbon Steel Plate
Heat No. 74D255

Welding Materials

P.O. No. 8484
E7018 Electrode 1/8", Atom Arc
Heat No. 626529, Lot No. K210D1A

E7018 Electrode 1/8", Atom Arc
Heat No. 07T272, Lot No. E324H1AD

E7018 Electrode, 3/32", Atom Arc
Heat No. 640968, Lot No. L426M1AC

No items of noncompliance or deviations were identified.

3. Material Storage

The inspectors observed the on site storage of material and determined that storage requirements were being complied with.

No items of noncompliance or deviations were identified.

4. Exit Interview

The inspectors met with licensee representatives (denoted in the Persons Contacted Paragraph) at the conclusion of the inspection on July 26, 1979. The inspectors summarized the scope and findings of the inspection and discussed the involvement of the quality assurance and quality control department during modification activities.