

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

REGION III

Report No. 50-331/79-26

Docket No. 50-331

License No. DPR-49

Licensee: Iowa Electric Light and Power
Company
IE Towers
Post Office Box 351
Cedar Rapids, IA 52406

Facility Name: Duane Arnold Energy Center

Inspection At: Corporate Office, Cedar Rapids, IA

Inspection Conducted: October 24 and 25, 1979

Inspector: I. T. Yin *I. Yin*

11/2/79

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

11/2/79

Inspection Summary

Inspection on October 24 and 25, 1979 (Report No. 50-331/79-26)

Areas Inspected: Licensee actions relative to IE Bulletins No. 79-14 and 79-04 including general discussion on NRC requirements, work procedure review and review of records. The inspection involved 5 inspector-hours in the corporate office by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

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DETAILS

Persons Contacted

- *K. A. Meyer, Head Licensing and Fuel Management
- *J. D. Kloosterman, Engineer, Nuclear Generation
- *J. R. Kozman, Engineer, Nuclear Generation

*Denotes those attending the exit interview.

Functional or Program Areas Inspected

1. Review of Bechtel Power Corporation (Bechtel) Field Inspection Procedure

The inspector reviewed the Bechtel procedure entitled, "Procedure for Verifying Conformance of Seismic Analysis to Actual Configuration of Safety-Related Piping Systems in Response to IE Bulletin 79-14", Revision 2, dated August 23, 1979, and had no adverse comments. This procedure also includes Bechtel engineering evaluation of any nonconformances identified during field verifications.

2. Review of Bechtel Inspection Records

The inspection records for Item 2 of IEB 79-14 was not kept at the licensee's office. It was stated by the licensee representative that since Bechtel is still inspecting some of the systems per Item 3 of the Bulletin, and completing their evaluation of the field records of Item 2, the field inspection and evaluation documentation will not be returned to the licensee until the task is completed. The inspector stated that he will review the Item 2 records at the Bechtel, Ann Arbor office during a subsequent inspection.

3. Licensee Document on Work Interface With Bechtel

The subject correspondence was well organized and filed by the licensee. The inspector reviewed a number of letters of discussion, instruction, requests, and procedure transmittal and considers sufficient work for implementing IEB 79-14 has been performed by both licensee and the A-E. Some of the letters reviewed included:

- . Bechtel letter BLIE-79-191, dated July 24, 1979
- . Bechtel letter BLIE-79-188, dated July 24, 1979
- . Bechtel letter BLIE-79-192, dated July 30, 1979
- . IE letter NG-79-29, dated August 1, 1979
- . IE letter NG-79-28, dated August 1, 1979
- . Bechtel letter BLIE-79-193, dated August 1, 1979
- . IE letter NG-79-42, dated August 1, 1979

- . Bechtel letter BLIE-79-205, dated August 30, 1979
- . IE letter NG-79-199, dated August 31, 1979
- . IE letter NG-79-194, dated August 31, 1979
- . Bechtel letter BLIE-79-212, dated September 17, 1979

No items of noncompliance or deviations were identified.

4. Review of Bergen-Patterson (B-P) Hanger Design

The inspector reviewed one of the hanger isometric drawings, M-701-H, Revision 0, for the HPCI System. All 20 hangers, restraints and anchors on the 12" EBB5 line were reviewed for structure adequacy, required clearance, and correct thermal movements. One question arose after the review, i.e. where U-bolt type restraints were installed on rigid supports, no specific lateral thermal and/or seismic loads were given on the detail hanger drawings. These items included EBB-4-H-9, H-8, H-7, H-6 and H-4. The licensee representative stated that further clarification of the above design will be made at the Bechtel office.

No items of noncompliance or deviations were identified.

5. Review of Licensee Actions on IEB 79-04

The actions required by IEB 79-04, "Incorrect Weights for Swing Check Valves Manufactured by Velan Engineering Corporation," dated March 30, 1979, were reviewed by the inspector. The 3" Velan check valves installed in the HPCI and RCIC Systems were purchased during 1974 and the difference of weight listed in the IEB 79-04 for "up to 1973" and "after 1973" was only 15 lbs., i.e. 85 lbs. versus 100 lbs. An adequate evaluation has been performed by the licensee and A-E. The inspector has no further questions. This bulletin is considered closed.

Exit Interview

The inspector met with licensee representatives at the conclusion of the inspection on October 25, 1979. The inspector summarized the scope and findings of the inspection. The licensee acknowledged the findings reported herein.