

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

REGION III

Report No. 50-346/77-13

Docket No. 50-346

License No. NFP-3

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License: Toledo Edison Company
Edison Plaza
300 Madison Avenue
Toledo, OH 43562

Facility Name: Davis-Besse Unit 1

Inspection at: Oak Harbor, OH

Inspection conducted: April 18-20, 24 and 25, 1977

J. S. Creswell for
Inspector: J. S. Creswell

5/12/77
(date signed)

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

5/12/77
(date signed)

Inspection Summary

Inspection on April 18-20, 24, and 25, 1977 (Report No. 50-346/77-13).
Areas Inspected: Routine, announced inspection of new fuel inspection and fuel loading activities. The inspection involved 27 1/2 inspector hours onsite by one NRC inspector.

Results: Of the two areas inspected, no items of noncompliance or deviations were identified. One item inspected related to valve line-up was identified as an unresolved item.

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DETAILS

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1. Persons Contacted

Principal Licensee Employees

- *J. Evans, Station Superintendent
- *T. Murray, Operations Engineer
- *D. Briden, Chemistry and Health Physics
- *W. Grech, Assistant to Station Superintendent
- J. Lingenfelter, Nuclear and Performance Engineer

The inspector also interviewed 20 other licensee employees during the course of the inspection. They included operating personnel, chemistry and health physics personnel and general office personnel.

*Denotes those present at the exit interview

2. Licensee Action on Previous Inspection Findings

None inspected.

3. New Fuel Inspection

The inspector reviewed records of the licensee's inspection of new fuel on receipt at the facility. No major defects were found during the fuel inspection but small pieces of springs were found and removed from fuel assemblies NJ0028 and NJ0013. No items of noncompliance were identified during the inspection of this area.

4. Initial Fuel Loading

The inspector reviewed records and procedures associated with the initial fuel loading operation. In addition, chemistry and operating personnel were interviewed and observed during the fuel loading operation. Licensee compliance with Technical Specification requirements were also inspected. During a visit to the control room the inspector discussed Technical Specification requirements associated with operable boration paths with the operator. The inspector, while examining the flow paths, asked the operator about the isolation of the reactor coolant system from possible dilution paths. Of particular concern was the isolation of the clean radwaste recycle lines from the charging line. An operator was dispatched from the control room to check the valve lineups. He reported that all the necessary valves were closed.

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The inspector reviewed Valve Verification List B which was an enclosure to procedure SP 1103.02.1. This review revealed three drain valves were not located for proper positioning. Furthermore, there was no note of supervisory review for the subject valves. This matter is considered unresolved.

Review of calculations for Boric Acid solution additions revealed a calculation performed April 21, 1977 had several corrections made to the calculational method. Further discussion with licensee personnel revealed that the form was designed for high temperature operation and that corrections were necessary for operations at low temperatures. The inspector found the calculation to be correct.

5. Unresolved Item

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, items of noncompliance, or deviations. An unresolved item disclosed during the inspection is discussed in Paragraph 4.

Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on April 25, 1977. The inspector summarized the purpose and the scope of the inspection and the findings. With regard to the performance of valve lineups the licensee stated that the present valve lineup would be checked. With regard to Boric Acid solution calculations the licensee will consider checking the calculations for the proper method.