

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

REGION III

Report No. 50-346/78-24

Docket No. 50-346

License No. NPF-3

Licensee: Toledo Edison Company
Edison Plaza
300 Madison Avenue
Toledo, OH 43652

Facility Name: Davis-Besse Nuclear Power Station, Unit 1

Inspection At: Davis-Besse Site, Oak Harbor, OH

Inspection Conducted: September 18-21, 1978

Inspector: *J. E. Menning*
J. E. Menning

10/10/78

Approved By: *W. S. Little*
W. S. Little, Chief
Nuclear Support Section 2

10/10/78

Inspection Summary

Inspection on September 18-21, 1978 (Report No. 50-346/78-24)

Areas Inspected: Routine, unannounced inspection of surveillance testing and cleanliness. The inspection involved 29 inspector-hours onsite by one NRC inspector and included inspection effort during offshift hours.

Results: No items of noncompliance or deviations were identified.

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DETAILS

1. Persons Contacted

- *T. Murray, Station Superintendent
- *D. Briden, Chemist and Health Physicist
- *P. Carr, Maintenance Engineer
 - C. Daft, Quality Control Supervisor
 - P. Flood, Shift Foreman
 - P. Gable, Maintenance Foreman - Piping
- *W. Green, Administrative Coordinator
- *T. Hart, Quality Assurance Associate Technician
- J. Hartigan, Maintenance Support Engineer

The inspector also interviewed four other licensee employees. They included two group leaders, one electrician, and one equipment operator.

*Denotes those present at the exit interview.

2. Surveillance

The inspector selected various technical specification surveillance test requirements and verified that properly approved procedures exist to cover the required testing. The inspector then examined the technical content of each of these procedures and verified that satisfactory testing of the related system or components would result, if the procedure were followed. It was noted that the reviewed procedures contained test prerequisites and preparations, acceptance criteria, and operational checks prior to returning equipment to service (when appropriate). The inspector also noted that the control and calibration of test equipment utilized in surveillance testing is addressed by license procedure AD 1849.00 - Control and Calibration of Measuring and Testing Equipment (Rev. 1). Completed test data for the examined surveillance tests were reviewed and it was verified that test results were in conformance with the Technical Specifications and procedure requirements and were reviewed by someone other than the tester or individual directing the test.

The inspector reviewed the following licensee surveillance test procedures and associated test data:

- a. ST 5011.01 - Boron Injection Flowpath Test (Rev. 6), Section 6.5. Reviewed 31-day boric acid pump operability test data obtained during period July 7, 1978 to September 1, 1978.
- b. ST 5031.14 - SFRCS Monthly Test (Rev. 4). Reviewed data for input channel functional testing obtained during period June 22, 1978 to September 5, 1978.
- c. ST 5032.01 - Monthly Functional Test of the Radiation Monitoring System (Rev. 4). Reviewed monthly functional test data for the containment atmosphere gaseous and particulate radioactivity monitoring systems obtained during the period July 7, 1978 to August 25, 1978.
- d. ST 5050.03 - Core Flood System Valve Interlock Test (Rev. 4). Reviewed results of testing on July 5, 1978.
- e. ST 5067.01 - Emergency Ventilation System Monthly Operability Testing (Rev. 5). Test data obtained during the period June 16, 1978 to September 4, 1978 were reviewed.
- f. ST 5016.01 - Diesel Fire Protection System Pump Weekly Surveillance Test (Rev. 2). Test data obtained during the period August 3, 1978 to September 7, 1978 were reviewed.

The inspector witnessed the performance of weekly battery surveillance testing (ST 5084.01) on September 20, 1978 and diesel fire protection system pump weekly surveillance testing (ST 5016.01) on September 21, 1978. In each case it was verified that a test procedure was available and in use, that test prerequisites were met, and that any involved special test equipment was properly calibrated. In addition, the inspector reviewed the training records of one of the individuals involved in this testing and verified his qualifications.

No items of noncompliance or deviations were identified.

3. Cleanliness

The inspector verified that the licensee has developed written procedures to assure adequate housekeeping and cleanliness. It was also verified that these procedures include requirements for material accountability in critical clean areas, cleanliness

requirements for repaired/replaced primary system components, removal requirements for excess material or equipment and requirements for the prompt removal of combustible material and debris.

The inspector reviewed the following licensee procedures/directives:

- a. AD 1810.01 - Control of Combustibles (Rev. 0)
- b. AD 1835.01 - Control of System Cleanliness (Rev. 0)
- c. AD 1844.05 - Cleanliness Control (Rev. 1)
- d. IP 8003.00 - Plant Systems Cleanliness Inspection (Rev. 0)
- e. QAP 2022 - Housekeeping (Rev. 3)
- f. QAP 2131 - Onsite Cleaning/Cleanliness Control (Rev. 1)
- g. Special Order - Cleanliness Control (Rev. 4)

The inspector interviewed three individuals from the maintenance and chemistry and health physics departments and verified that these employees are cognizant of and use the licensee's housekeeping and cleanliness procedures. In addition, the inspector toured the plant on September 20, 1978 and observed the level of housekeeping to be adequate. However, the inspector did note significant debris on the floor of the No. 2 Electrical Penetration Room and advised the licensee on this condition.

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 September 21, 1978. The inspector summarized the scope and findings of the inspection.