

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-346/83-09(DPRP)

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: Oak Harbor, OH

Inspection Conducted: May 2 through July 1, 1983

Inspectors: *T. A. Peebles*
for Senior Resident Inspector

7-29-83
Date

W. G. Rogers
for Resident Inspector

7-29-83
Date

P. Byron
for Project Inspector

7-29-83
Date

Approved By: *I. N. Jackiw*
I. N. Jackiw, Chief
Projects Section 2B

7-29-83
Date

Inspection Summary

Inspection on May 2, through July 1, 1983 (Report No. 50-346 /83-09(DPRP))

Areas Inspected: Routine unannounced inspection by resident inspectors of operational safety; maintenance; surveillance; plant trips; strike contingency plan; and independent inspection. The inspection involved 266 inspector-hours onsite by two inspectors including 75 inspector-hours onsite during off-shifts.

Results: Of the six areas inspected, no items of noncompliance were identified.

DETAILS

1. Persons Contacted

T. Murray, Station Superintendent
B. Beyer, Assistant Station Superintendent
S. Quennoz, Assistant Station Superintendent
P. Carr, Maintenance Engineer
J. Werner, Instrument Engineer
D. Miller, Operations Engineer
W. O'Connor, Assistant Operations Engineer
D. Briden, Chemist and Health Physicist
R. Peters, Licensing
L. Simon, Operations Supervisor
C. Daft, Quality Assurance Director
J. Faris, Administrative Coordinator

The inspectors also interviewed other licensee employees, including members of the technical, operations, maintenance, I&C, training, health physics, and security staff.

2. Operational Safety Verification

The inspector observed control room operations, reviewed applicable logs and conducted discussions with control room operators during the months of May and June. The inspector verified the operability of selected emergency systems, reviewed tagout records and verified proper return to service of affected components. Tours of auxiliary building and turbine building were conducted to observe plant equipment conditions, including potential fire hazards, fluid leaks, and excessive vibrations and to verify that maintenance requests had been initiated for equipment in need of maintenance. The inspector by observation and direct interview verified that the physical security plan was being implemented in accordance with the station security plan.

The inspector observed plant housekeeping/cleanliness conditions and verified implementation of radiation protection controls. During the months of May and June, the inspector walked down the accessible portions of the auxiliary feedwater, containment spray and waste gas systems to verify operability. The inspector also witnessed portions of the radioactive waste system controls associated with radwaste shipments and barreling.

These reviews and observations were conducted to verify that facility operations were in conformance with the requirements established under technical specifications, 10 CFR, and administrative procedures.

No items of noncompliance or deviations were identified.

3. Monthly Maintenance Observation

Station maintenance activities of safety related systems and components listed below were observed/reviewed to ascertain that they were conducted

in accordance with approved procedures, regulatory guides and industry codes or standards and in conformance with technical specifications.

The following items were considered during this review: the limiting conditions for operation were met while components or systems were removed from service; approvals were obtained prior to initiating the work; activities were accomplished using approved procedures and were inspected as applicable; functional testing and/or calibrations were performed prior to returning components or systems to service; quality control records were maintained; activities were accomplished by qualified personnel; parts and materials used were properly certified; radiological controls were implemented; and fire prevention controls were implemented.

Work requests were reviewed to determine status of outstanding jobs and to assure that priority is assigned to safety related equipment maintenance which may affect system performance.

The following maintenance activities were observed/reviewed:

- Security computer maintenance
- Emergency diesel governor repair
- Emergency ventilation system maintenance
- Service Water structure construction

Following completion of maintenance on the auxiliary feedwater pump and service water pump construction tie-in, the inspector verified that these systems had been returned to service properly.

No items of noncompliance or deviations were identified.

4. Monthly Surveillance Observation

The inspector observed technical specifications required surveillance testing on the reactor protection system, auxiliary feedwater system and high pressure injection pump and verified that testing was performed in accordance with adequate procedures, that test instrumentation was calibrated, that limiting conditions for operation were met, that removal and restoration of the affected components were accomplished, that test results conformed with technical specifications and procedure requirements and were reviewed by personnel other than the individual directing the test, and that any deficiencies identified during the testing were properly reviewed and resolved by appropriate management personnel.

The inspector also witnessed portions of the following test activities: containment pressure functional; SFRCS monthly; diesel fire pump; AC bus sources lined up; and spent fuel water level.

No items of noncompliance or deviations were identified.

5. Plant Trips

Following the plant trip on May 10, 1983, the inspector ascertained the status of the reactor and safety systems by observation of control room indicators and discussions with licensee personnel concerning plant parameters, emergency system status and reactor coolant chemistry. The inspector verified the establishment of proper communications and reviewed the corrective actions taken by the licensee.

All systems responded as expected, and the plant was returned to operation on May 11, 1983.

No items of noncompliance or deviations were identified.

6. Receipt of New Fuel

The inspector verified prior to receipt of new fuel that technically adequate, approved procedures were available covering the receipt, inspection, and storage of new fuel; observed receipt inspections and storage of new fuel elements and verified these activities were performed in accordance with the licensee's procedures.

No items of noncompliance or deviations were identified.

7. Licensee Plans for Coping with Strikes

The labor contract between TECo and Local 245 of the Electrical Workers Union was to expire June 1, 1983. Almost all operations at Davis-Besse would have been affected in the event of a walkout. The reactor operators are members of the bargaining unit and it is anticipated that the security force, which belongs to a different union, would honor the picket lines.

The inspector reviewed the Nuclear Mission section of the corporate strike contingency plan. The inspector concluded that provisions were made to adequately staff the plant such that there would have been sufficient qualified personnel to perform maintenance, chemistry and radiation protection, surveillances, and operate the plant.

The new contract was approved for another year.

No items of noncompliance or deviations were identified.

8. Independent Inspection Effort

The inspectors routinely attended meetings with licensee management and various shift turnovers between shift supervisors and licensed/non-licensed operators. These meetings and discussions provided a daily status of plant operating and testing activities as well as discussion of significant problems or incidents.

No items of noncompliance or deviations were identified.

9. Exit Interview

The inspector met with licensee representatives throughout the months and at the conclusion of the inspection and summarized the scope and findings of the inspection activities. The licensee acknowledged the findings.