

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-263/82-09(DPRP)

Docket No. 50-263

License No. DPR-22

Licensee: Northern States Power Company
414 Nicollet Mall
Minneapolis, MN 55401

Facility Name: Monticello Nuclear Generating Station

Inspection At: Monticello Site, Monticello, MN

Inspection Conducted: July 3 through August 28, 1982

Inspectors: *R. D. Walker for*
C. H. Brown

September 28, 1982

R. D. Walker for
A. L. Madison

September 28, 1982

Approved By: *R. D. Walker*
R. D. Walker, Chief
Reactor Projects Section 2C

September 28, 1982

Inspection Summary

Inspection on July 3 through August 28, 1982 (Report No. 50-263/82-09(DPRP))

Areas Inspected: A routine safety inspection of Licensee Event Report Followup; Operational Safety Verification; Fire Protection/Prevention; Security Personnel Qualifications; Operator Overtime; and Onsite Review Committee. The inspection involved a total of 68 inspector-hours onsite by two NRC inspectors including ten inspector-hours onsite during off-shifts.

Results: No items of noncompliance or deviations were identified in these areas.

DETAILS

1. Persons Contacted

- *W. A. Shamla, Plant Manager
- *M. H. Clarity, Plant Superintendent, Engineering and Radiation Protection
- H. M. Kendall, Plant Office Manager
- *D. D. Antony, Superintendent, Operating Engineering
- *W. E. Anderson, Plant Superintendent, Operations and Maintenance
- *R. L. Scheinost, Superintendent, Quality Engineering
- *J. R. Pasch, Superintendent, Security and Services
- F. L. Fey, Superintendent, Radiation Protection
- W. J. Hill, Superintendent, Technical Engineering
- W. W. Albold, Superintendent of Maintenance

The inspectors also talked with and interviewed other licensee employees, including members of the technical and engineering staffs, reactor and auxiliary operators and corporate QA personnel.

*Denotes those licensee representatives attending the management interviews.

2. Licensee Event Reports Followup

Through direct observations, discussions with licensee personnel, and review of records, the following event reports were reviewed to determine that reportability requirements were fulfilled, immediate corrective action was accomplished, and corrective action to prevent recurrence had been accomplished in accordance with technical specifications.

a. 82-007 - Diesel Generator Start Failure

The failure of the diesel generator to start on a surveillance test was due to the governor shutdown solenoid being out of adjustment. The adjustment was changed when a (non-licensed) equipment operator mistakenly removed the solenoid to add oil to the governor. The governor oil level verification is part of the prestartup checklist. The operators received reinstruction on the diesel generator checklist and the oil fill cap was painted and labeled.

The test was completed after a spare governor was installed. The original governor was returned to the vendor for calibration.

b. 82-003 - Reactor Water Cleanup Inboard Containment Isolation Valve Failure Due to Electrical Short

An electrical short caused a fuse to blow in the valve control power resulting in the valve (MO-2397) failing in the open position. The other isolation valves were as required. The short circuit (a relay coil) was repaired in three and a half hours and the valve was declared operable.

c. 82-001 - Type B Containment Leakage Test Failure

During a Type B containment leak rate test, the outboard shutdown cooling suction isolation valve (MO-2030) was found to have leakage greater than the acceptable rate. The other valve was operable and was closed. The disc was found to be undersized due to lapping performed during valve repairs made several years previously. The valve disc was replaced and re-test was performed satisfactorily.

d. 81-024 - Failed Components on Woodward E.G.R. 20 Actuator Bracket for HPCI Turbine

During a Preventive Maintenance conducted on the the High Pressure Coolant Injection (HPCI) system, the Woodward E.G.R. 20 shaft was found to have the bushings seized to it and the bushings were turning in the actuator bracket. It was postulated that this wear on the bracket could possibly cause a failure of the HPCI if it would be called on to operate for an extended period of time (i.e., greater than eight hours). The bracket and shaft were repaired and a replacement bracket was ordered.

No items of noncompliance or deviations were identified in this area.

3. Operational Safety Verification

The inspector observed control room operations, reviewed applicable logs and conducted discussions with control room operators during the months of July and August. The inspector verified the operability of selected emergency systems, reviewed tagout records and verified proper return to service of affected components. Tours of the facility's reactor 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 July and August, the inspector walked down the accessible portions of the No. 11 Emergency Diesel Generator and selected portions of the fire water 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 in this area.

4. Fire Protection/Prevention

a. Housekeeping Practices

The inspector conducted tours of the facility and noted that combustible waste material was not allowed to accumulate. The inspector observed that solvents and cleaning rags were stored in approved containers and the "No Smoking" signs were posted in the required areas.

b. Ignition Sources

Work requiring the use of ignition sources is controlled by special permit. Such work includes cutting, welding, and grinding. The permit has a checklist for area preparations and fire watch with extinguisher and follows NFPA-517 guidelines. The permit was found to be in use on all jobs where it was required.

No items of noncompliance or deviations were identified.

5. Security Personnel Qualification

During August the inspector observed one shift complement (eight persons) fire the required weapons to maintain their qualifications. These individuals achieved acceptable scores with each of the required weapons.

No items of noncompliance or deviations were identified in this area.

6. Operator Overtime

During the month of August, it was noted that operators were needed and the overtime guidelines were exceeded twice. The Plant Manager had approved the overtime as required by the approved procedures. The lack of operators available to fill in was due to the training schedule and vacations prior to the September refueling outage.

No items of noncompliance or deviations were identified in this area.

7. Onsite Review Committee

The inspector examined the onsite review functions conducted during the period of July and August 1982, to verify conformance with technical specifications and other regulatory requirements. This review included: changes since the previous inspection in the charter and/or administrative procedure governing review group activities; review group membership and qualifications; review group meeting frequency and quorum; and, activities reviewed including proposed technical specification changes, noncompliance items and corrective action, proposed facility and procedure changes and proposed tests and experiments conducted per 10 CFR 50.59, and others required by technical specifications.

No items of noncompliance or deviations were identified.

2. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) throughout the month and at the conclusion of the inspection on September 3, 1982, and summarized the scope and findings of the inspection activities.