

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-546/82-15(DPRP); 50-547/82-15(DPRP)

Docket No. 50-546; 50-547

License No. CPPR-170; CPPR-171

Licensee: Public Service of Indiana
P. O. Box 190
New Washington, IN 47162

Facility Name: Marble Hill Nuclear Generating Station

Inspection At: Marble Hill Site, Jefferson County, IN

Inspection Conducted: August 27-28, 1982

Inspector: P. R. Pelke *J. E. Konklin*

9/20/82

Approved By: J. E. Konklin, Chief
Reactor Projects Section 1A

9/20/82.

Inspection Summary

Inspection during the period of August 27-28, 1982 (Report No. 50-546/82-15 (DPRP); 50-547/82-15(DPRP))

Areas Inspected: Routine inspection of IE Circulars; 10 CFR 21 Reportable Items; and Observation of Unit 1 Reactor Vessel Installation Activities.

This inspection involved a total of 16 inspector-hours onsite by one inspector, including 8 inspector-hours onsite during off-shifts.

Results: No items of noncompliance or deviations were identified.

DETAILS

1. Principal Persons Contacted

L. Ramsett, Quality Assurance Officer
S. Brewer, Nuclear Safety and Licensing Manager
L. Yeager, Licensing Engineer
T. Geib, Project Engineer, Nuclear Safety and Licensing

2. Evaluation of Licensee Action With Regard to IE Circulars

(Closed) IE Circular 80-02: Nuclear Power Plant Staff Work Hours. Licensee document DSN 0820823003 was reviewed. The guidelines of this circular have been revised by NRR Generic Letter No. 82-02. The inspector verified that Station Administrative Procedure No. MH-12-GX-00-021, Marble Hill Station Safety Related Overtime Policy, includes the guidelines established in the generic letter.

(Open) IE Circular 80-14: Radioactive Contamination of Plant Demineralized Water System and Resultant Internal Contamination of Personnel. Licensee documents DSN 1103804012, 0702804011, 0702804008, 0819804012, 0905805000, 1124804015, 0109813005, 0710814009, 1014814005, 1216814006, 1221814009, and 0106823007 were reviewed. The licensee determined that line OPW55A-4, recycle transfer pumps to the demineralized water system, is the only connection between demineralized water and contaminated systems. The licensee modified the system design to make the valve in this line, OWM 741, a locked closed valve. The inspector verified that Station Administrative Procedure No. MH-12-00-WM-523, Demineralized Water System, was amended to require that OWM 741 be locked closed. The inspector noted that Item 3 (use of plant-supplied demineralized water for human consumption should be prohibited) was not addressed in the licensee's review. This circular will remain open pending the licensee's review of Item 3.

(Closed) IE Circular 81-02: Performance of NRC-Licensed Individuals While on Duty. Licensee documents DSN 0212814009, 0217814002, and 0320814002 were reviewed. The inspector verified that the guidelines of this circular are included in Operation Administrative Procedure No. MH-12-OX-00-003, Control Room Boundary, Access, Control, and Manning of Operations.

(Open) IE Circular 81-03: Inoperable Seismic Monitoring Instrumentation. Licensee documents DSN 0305814003, 0317814021, 0721814015, 1006814019, and 1020813021 were reviewed. This circular will remain open pending the development of a maintenance schedule for the Strong Motion Seismic Instrumentation System.

(Closed) IE Circular 81-06: Potential Deficiency Affecting Certain Foxboro 10 to 50 Milliampere Transmitters. Licensee documents DSN 0416814010, 0422814006, 0623814007, 0701815003, 0422814007, and 0107825147 were reviewed. Sargent and Lundy has determined that

the Foxboro transmitters identified in this circular are not planned for use in safety related applications. Sargent and Lundy will continue to monitor vendor documentation to ensure that any future applications of these transmitters are justified or replaced with acceptable alternatives. Additionally, Westinghouse determined that these transmitters are not used in the nuclear steam supply system.

(Open) IE Circular 81-07: Control of Radioactively Contaminated Material. Licensee documents DSN 0519814000, 0520814005, and 0609813007 were reviewed. This circular will remain open pending the development of the licensee's contamination control program.

(Closed) IE Circular 81-09: Containment Effluent Water that Bypasses Radioactivity Monitor. Licensee documents 0714814005, 0717814014, and 0810815008 were reviewed. The chilled water, essential service water, and component cooling water systems have effluents from containment. The chilled water system automatically isolates on the high containment pressure-containment isolation signal. The essential service water and component cooling water systems are monitored and can be isolated without interruption of safety related functions.

(Closed) IE Circular 81-10: Steam Voiding in the Reactor Coolant System During Decay Heat Removal Cooldown. Licensee documents DSN 0707814025, 0716814007, and 0914813009 were reviewed. The Engineering and Services Department distributed the circular to the appropriate operations personnel.

Additionally, a copy of the circular was placed in the residual heat removal procedure working file.

(Closed) IE Circular 81-11: Inadequate Decay Heat Removal During Reactor Shutdown. This circular is not applicable to PWR facilities.

(Open) IE Circular 81-12: Inadequate Periodic Test Procedure of PWR Protection System. Licensee documents DSN 0727814008, 0803814008, and 0925813001 were reviewed. This circular will remain open pending the licensee's review of the applicable reactor protection system test procedure to insure that it does verify the trip function of the undervoltage trip coil independent of the shunt trip coil.

(Open) IE Circular 81-13: Torque Switch Electrical Bypass Circuit for Safeguard Service Valve Motors. Licensee documents DSN 0929814004, 1001814005, 1001814006, 1130815005, 0107825003, 0205825013, 0507825010, and 0629823001 were reviewed. This circular will remain open pending the licensee's completion of recommended actions 1 and 3.

(Open) IE Circular 81-14: Main Steam Isolation Valve Failures to Close. Licensee documents 1110814006, 1116814005, 0105824005, 0107824010, 0416825135, and 0601825025 were reviewed. This circular will remain open pending completion of Sargent and Lundy's review.

No items of noncompliance or deviations were identified.

3. Followup on 10 CFR 21 Reportable Items

(Open) (546/82-02-PP; 547/82-02-PP). Beloit Power Systems reported that diesel generator sets manufactured with Colt/Fairbanks Morse engines and Beloit Power Systems generators may have a loose stud and nut combination on the shaft spider assembly due to a possible misapplication of the manufacturer's torquing equipment. This 10 CFR 21 reportable item will remain open pending the licensee's completion of the manufacturer's recommended corrective action.

No items of noncompliance or deviations were identified.

4. Observation of Unit 1 Reactor Vessel Installation Activities

The inspector observed the following Unit 1 reactor vessel installation activities:

- a. Transport of the Unit 1 reactor vessel into containment from the storage yard;
- b. Rigging operations in preparation for lifting the vessel off the transporter with the polar crane.

No items of noncompliance or deviations were identified.

5. Exit Interview

The inspector summarized the scope and findings of the inspection with Mr. L. Ramsett during a telephone conversation on September 1, 1982.