

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

REGION III

Reports No. 50-546/80-35; 50-547/80-35

Docket Nos. 50-546; 50-547

Licenses 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, Units 1 and 2

Inspection At: Marble Hill Site, Jefferson County, IN

Inspection Conducted: September 22-25, 1980

Inspectors: *C. M. Erb*  
C. M. Erb

Oct. 16, 1980

for *Z. C. Cordero*  
Z. C. Cordero

Oct. 16, 1980

Approved by *D. H. Danielson*  
D. H. Danielson, Chief  
Engineering Support Section 2

Oct. 16, 1980

Inspection Summary

Inspection on September 22-25, 1980 (Report No. 50-546/80-35; 50-547/80-35)

Areas Inspected: Status of Verification Program No. SPP-11; Review of Verification Programs No. SPP-4, SPP-8, and SPP-12; Review of Storage of safety-related materials and components. The inspection involved a total of 36 onsite inspector-hours by two NRC inspectors.

Results: No items of noncompliance or deviations were identified.

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DETAILS

Persons Contacted

Public Service of Indiana (PSI)

\*W. Petro, Project Director  
\*L. Ramsett, Manager QA  
\*C. Beckham, Manager QE  
\*J. Roberts, Superintendent Inspection  
\*R. J. Kime, Construction Manager  
\*D. Ingmire, Verification Coordinator  
B. Weinhold, Piping Engineer  
R. Crouch, Records Supervisor  
G. T. Davis, Welding/NDE, QAE  
T. Black, Storage and Maintenance Surveillance

Other Personnel

\*J. J. Harrison, Resident Inspector, Region III NRC

\*Denotes those present at the exit interview.

Licensee Action on Previous Inspection Findings

(Closed) Item 546/79-20-01 - Inspection of Unit 1 containment showed that water was being pumped out on a regular basis. Certain I-beams which were retaining water have been drilled and drainage established in the area of bolted connections on these beams.

Functional or Program Areas Inspected

The functional or program areas inspected are discussed in Sections I and II of this report.

## Section I

Prepared by C. M. Erb

Reviewed by D. H. Danielson, Chief  
Engineering Support Section 2

### 1. Status of SPP-11 Verification Program for CBI Work

This program consisted of an S&L and PSI survey team looking over production hardware and QC records of work performed by Chicago Bridge and Iron Company (CBI), to ascertain whether any deviations from the quality or code requirements existed. Document No. PC0733 has been issued which identified discrepancies in detail for radiographic work. Items involving Penetrant Test, Magnetic Test, Vacuum Box Test and Visual were found and corrective action taken by CBI and PSI.

Certain other possible corrective actions under the radiographic scope such as required amount of tank radiography have been identified but not implemented.

Since the discrepancies have been identified satisfactorily through SPP-11 and this effort has been completed except for implementation, the inspector has no more questions on the verification program for SPP-11. Verification to SPP-11 appears to have been completed satisfactorily and is acceptable pending review by NRC Management.

No items of noncompliance or deviations were identified.

### 2. Storage of Polar Cranes Units 1 and 2

Entrance to the enclosed area between the structural members of both units revealed that water leakage had occurred with Unit 2 being much worse than Unit 1. Rusting on hydraulic tubing both outside and inside the enclosures had occurred. Certain electrical components were wrapped with paper and it would be necessary to remove the paper to determine any deterioration in those areas. A Harnischfeger representative has been called in to assess the condition of both cranes.

No items of noncompliance or deviations were identified.

### 3. Containments - Units 1 and 2

- In Unit 1, the horizontal tendon trumplates are plugged except for five or six at the top where the last concrete was poured.

In Unit 2, all tendon openings are unplugged. Inspection of several showed considerable dirt and loose rust accumulation. Two had mud

inside which represents nests made by some sort of wasp. Unit 2 had two to three inches of water on the containment floor and there were no pumps running.

Insides of trumplates and tendon ducts should be protected from water and extraneous materials.

No items of noncompliance or deviations were identified.

4. Warehouse Storage

Some changes should be made in warehouse D storage. Two long wooden boxes marked as containing pipe and junction boxes had collapsed as a result of weight from an auxiliary hoist motor unit (1HC01G) and eight smaller motors.

No items of noncompliance or deviations were identified.

## Section II

Prepared by Z. C. Cordero

Reviewed by D. H. Danielson, Chief,  
Engineering Support Section 2

### Review of Special Process Procedure Final Report

The inspector reviewed the final report of the construction verification program for the following:

- (1) Special Process Procedure (SPP) - 4, Physical Inspection and Verification of In-Place Safety Category I Piping and Hangers.
- (2) Special Process Procedure (SPP) - 8, Physical Inspection and Verification of In-Place Safety Category I Buried and Embedded Piping.
- (3) Special Process Procedure (SPP) - 12, Document Verification Procedure for ASME III Piping, Hangers and Materials.

Based on the previous review of the applicable Procedures, Quality Assurance Records, Documentations, Personnel Qualification and results of the inspection conducted, it appears that all the discrepancies identified during this inspection were found to have been previously identified by the licensee's physical survey teams.

The verification activities of the SPP-4, SPP-8, and SPP-12 are responsive to the commitments made to the NRC by the licensee and is acceptable to the inspector pending review by NRC Management.

### Exit Interview

The inspectors and resident inspector met with personnel (denoted in the Persons Contacted paragraph) at the conclusion of the inspection. The inspectors summarized the scope of the inspection and stated that the resident would verify that action had been taken in the storage areas mentioned above.