

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

REGION III

Reports No. 50-546/80-40; 50-547/80-40

Docket Nos. 50-546; 50-547

Licenses No. CPPR-170; CPPR-171

Licensee: Public Service of Indiana  
Post Office 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: October 31, November 5-7, and 21, 1980

Inspector: E. R. Schweibinz

*E. R. Schweibinz*

12-17-80

Accompanying Personnel: G. Fiorelli (October 31, 1980)

C. C. Williams (October 31, 1980)

D. W. Hayes (October 31, 1980)

J. J. Harrison (October 31, 1980)

Approved By: G. Fiorelli, Chief  
Reactor Construction and  
Engineering Support Branch

*G. Fiorelli*

Inspection Summary

Inspection on October 31, November 5-7, and 21, 1980 (Reports No. 50-546/80-40; 50-547/80-40)

Areas Inspected: Review of the Construction and Materials Verification Program Final Report, September 12, 1980, Section 7, "Physical Inspection and Verification of Previously Accepted Purchased Items (SPP-7)"; and a management meeting. This inspection involved a total of 72 inspector-hours onsite by four inspectors.  
Results: One item of noncompliance was identified in one area (Severity Level V Violation - failure to take adequate corrective action with regard to a previously identified item of noncompliance - paragraph 1).

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## DETAILS

### Principal Persons Contacted

#### Public Service of Indiana (PSI) and Management Analysis Company (MAC)

- +S. W. Shields, Senior Vice President - Nuclear Division
- \*+L. O. Ramsett, Quality Assurance Manager
- \*+W. M. Petro, Project Director
- \* C. G. Beckham, Manager, Quality Engineering
- \* T. J. Marcella, SPP Coordinator (MAC)
- \* M. Juvik, Consultant
- J. M. Norris, Consultant (MAC)

The inspector also contacted and interviewed other licensee and contractor personnel.

\*Denotes those attending the exit meeting on November 7, 1980.

+Denotes those attending the management meeting on October 31, 1980.

### Licensee's Actions on Previous Inspection Findings

(Closed) Noncompliance (546/80-23-01; 547/80-23-01): Failure to follow procedures during the performance of SPP-7. The corrective action taken with regard to the first two examples of this item of noncompliance was found to be satisfactory. With regard to the third item, it was found that the licensee failed to take proper corrective action. When the RIII inspector identified this fact to the licensee, the licensee took immediate and timely corrective action which was subsequently verified to be acceptable on November 21, 1980. This failure to take proper corrective action is an item of noncompliance identified in the body of this report. This item is closed.

### Functional or Program Areas Inspected

#### 1. Construction Verification Program (SPP-7); Section 7.0, Final Report

As committed to in the "Description of Licensee's Activities Addressing Order Confirming Suspension of Construction", PSI submitted to RIII on September 12, 1980 the Construction and Material Verification Program, Final Report. Section 7.0 of this report, "Physical Inspection and Verification of Previously Accepted Purchased Items (SPP-7)", is one of the twelve sections which make up the final report. The scope of SPP-7 included physical inspection and documentation verification of previously accepted purchased items to validate the adequacy of prior receipt inspections. The results of inspections relating to SPP-7 are documented in IE Report Nos. 50-546/80-22, 80-23, 80-24, 80-25, 80-28, and 80-31. These inspections include review of the implementing SPP-7 procedure, observation of in-process work, and review of quality records which were generated as a result of the licensee's inspection effort.

The following specifications were addressed by the SPP-7 program:

| <u>Specification Number</u> | <u>Title</u>                         |
|-----------------------------|--------------------------------------|
| Y-2702                      | Westinghouse NSSS                    |
| Y-2718C                     | Carbon Steel Valves                  |
| Y-2721                      | Containment Post Tensioning Erection |
| Y-2725                      | Containment Liner                    |
| Y-2735                      | Fabricated Steel                     |
| Y-2741                      | Piping Material and Fabrication      |
| Y-2744                      | Shop Fabrication Tanks               |
| Y-2756                      | Main Steam Isolation Valves          |
| Y-2766                      | Stainless Steel Liner                |
| Y-2771                      | Hangers, Supports, Snubbers          |
| Y-2787A                     | Containment Piping Penetrations      |
| Y-2787B                     | Penetrations                         |
| Y-2794                      | Stainless Steel Valves               |
| Y-2795                      | Diaphragm Valves                     |
| Y-2797                      | NSSS Support Steel                   |
| Y-2804                      | Electrical Penetrations              |
| Y-2815                      | Cable Pans                           |
| Y-2865                      | Embedded Piping Essential Headers    |
| Y-2900                      | Cubicle Coolers                      |

Specification Y-2720, Containment Cranes. It was determined that this material had not been receipt inspected prior to August 7, 1979 and it was deleted from the material verification program.

With the exception of the item described in the following paragraphs the review of the documentation related to SPP-7 was found to be acceptable.

A review of the licensee's corrective action taken on a previous item of noncompliance (546/80-23-01) identified that the licensee had not adequately reviewed the applicable checklists to ensure that exceptions to the checklists were documented and approved by appropriate individuals. In an August 20, 1980 letter to RIII the licensee indicated that this review would be completed on August 22, 1980. The RIII inspector identified deficiencies as described above for the checklists associated with each of the following three specifications: Y-2797; Y-2804; and Y-2815. Eight of the nine checklists associated with specification Y-2702 also were identified, by the RIII inspector, as having the same deficiencies.

The licensee was advised that these examples of inadequate corrective action are considered an item of noncompliance with 10 CFR 50, Appendix B, Criterion XVI. (546/80-40-01; 547/80-40-01)

The licensee took immediate and appropriate corrective action to correct the identified deficiencies and to check all of the applicable checklists to ensure that any exceptions were documented and approved by appropriate individuals. Reinspections were performed as necessary to address those

requirements that were missing from the checklists. Deficiencies found through this reinspection were identified on nonconformance reports and properly dispositioned. The RIII inspector reviewed the disposition of the nonconformance reports identified through this reinspection and the corrective action taken and results achieved with regard to the above item of noncompliance on November 21, 1980.

The licensee agreed that a revised Section 7.0 of the Construction and Material Verification Program, Final Report, would be issued and would include the latest nonconformance reports as well as other identified typographical errors included in the final report and identified during this inspection.

Based on the review of Section 7.0 of the Construction and Material Verification Program, Final Report, conducted during this and previous inspections the inspector has concluded that the licensee's actions are responsive to the commitments made to the NRC, and are acceptable pending review by NRC RIII management.

Except as noted above, no items of noncompliance or deviations were identified.

## 2. Management Meeting

On October 31, 1980 a management meeting took place at the Marble Hill site with NRC RIII personnel, Messrs. Fiorelli, Williams, Hayes, Harrison, and Schweibinz and PSI personnel, Messrs. Shields, Petro, and Ramsett to discuss the following items: Material and Construction Verification Program; the NRC independent concrete consultants' assessment; and the ASME Code Survey.

## Exit Meeting

The inspector met with the site staff representatives (denoted under Persons Contacted) on November 7, 1980. The inspector summarized the scope and findings of the inspection. After the review, on November 21, 1980, of the actions taken to correct the identified noncompliance and to prevent its recurrence, the inspector informed the licensee that this would be a "no reply" item of noncompliance.