

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Reports No. 50-546/82-03(DETP); 50-547/82-03(DETP)

Docket Nos. 50-546; 50-547

Licenses No. CPPR-170; CPPR-171

Licensee: Public Service Company of Indiana  
Post Office Box 190  
New Washington, IN 47162

Facility Name: Marble Hill Nuclear Generating Station

Inspection At: Marble Hill Site, Jefferson County, IN

Inspection Conducted: February 19, 1982

Inspector: K. R. Naidu

*K. R. Naidu* 3/8/82

Approved By: C. C. Williams, Chief  
Plant Systems Section

*C. C. Williams* 3/8/82

Inspection Summary

Inspection on February 19, 1982 (Reports No. 50-546/82-03(DETP);  
50-547/82-03(DETP))

Areas Inspected: Review of previously unresolved matters; observation of storage of electrical switchgear. The inspection involved eight inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance identified.

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## DETAILS

### Persons Contacted

#### a. Public Service of Indiana (PSI)

- \*L. O. Ramsett, Executive Director, Nuclear Quality Assurance
- \*J. K. Wolfe, Administrative Assistant, QA
- \*H. Curry, Superintendent, Electrical QE
- \*J. P. Thomas, Assistant Project Director
- \*C. S. Beckham, Quality Engineering Manager
  - M. Menzing, Electrical Resident Engineer
  - J. Parks, NDE Superintendent, Quality Engineering
  - S. E. Quinn, Mechanical Engineer
- \*W. M. Petro, Executive Director, Nuclear Project Management
  - T. Black, Storage and Maintenance Supervisor

#### b. Commonwealth Lord Joint Venture (CLJV)

- D. Umphryes, Senior Field Engineer
- L. Dick, Project QC Engineer
- A. Beckham, QA Engineer
- W. Marini, QC Inspection Supervisor

\*Denotes the principal licensee personnel who attended the exit interview.

### Licensee Action on Previous Inspection Findings

Closed 546/78-08-03; 547/78-08-03: These reports identified that clarifications were needed to Specification Y-2743 for the New and Spent Fuel Storage Racks in Paragraphs 301.2 and 304. The specification has since been revised. Paragraphs 304.1 and 304.2 specify liquid penetrant and ultrasonic examinations. Painting requirements for the new fuel carbon-steel rack supports have now been specified.

Closed 546/81-14-01; 547/81-14-01: This unresolved item relates to inadequacies in the storage of electrical equipment. This item is considered closed since it is more elaborately discussed in Reports 546/81-22 and 547/81-22.

Closed 546/81-16-02; 547/81-14-02: Procedure CWPC3B, Revision 2, dated December 11, 1981, has the additional requirements.

1. Paragraph 4.8 "Attachment Removal" has been added. Attachment removal and reinstallation requirements have been added.
2. Paragraphs 4.10.3 and 4.10.4 specify the torquing requirements for cable tray splice bolts and nuts to fasteners respectively. Sargent & Lundy Drawing EO-3252, Revision J, Note 75, which was revised due

to Field Change Request 3903, specifies the following torques for nut splice plate bolt sizes:

3/8" 20-35 ft. lbs.  
1/2" 40-60 ft. lbs.

In specifying the above values, exception was taken to S&L Std. EB-702, Section 3.1.1. The contractor's relevant Procedure CWP-C3B, Revision 2 specifies the following torque wrench setting values:

3/8" 30 ft. lbs.  
1/2" 50 ft. lbs.

The contractor's relevant inspection Procedure QCP-C2, Revision 3 specifies inspection for the following torques:

3/8" 35 ft. lbs.  
1/2" 40 ft. lbs.

Subsequent to discussions with the licensee and contractor personnel, Interim Change Notice 2 was initiated prior to the conclusion of the inspection to revise the QCP to provide tolerances for the inspection requirements as follows:

3/8" 20-35 ft. lbs.  
1/2" 40-60 ft. lbs.

3. Paragraph 4.9.1 requires surface preparation field priming, galvanizing and galvanizing repair of cable tray system components and supports shall be done in accordance with work Procedure CWP-C24. Work Procedure CWP-C24 states that this work shall be done by "others." The inspector reviewed FCR E-4509 and changes to S&L Specification Y-2790 in Paragraph 302.22p which is a result of FCR E-4652. Form 1895F in Paragraph 2.5 requires damaged areas of galvanized surfaces to be repaired by the electrical contractor.

Closed 546/81-16-03; 547/81-14-03: Certain clarifications to construction work Procedure CWP-C6C were requested. Paragraph 4.9.34 of the revised Procedure CWP-C6C reflects the unacceptable conditions and requires initiation of an NCR; the NCR would recommend the corrective action to be taken which is subjected to engineering review. Partial cable pulls are now addressed in Paragraph 4.12. Paragraph 4.12.3 specifies acceptable ways of storing partially pulled cables. This procedure has not been approved. As a result of discussions with the licensee and contractor, it was agreed to modify this procedure to further clarify the acceptable storage methods of partially pulled cables.

Open 546/81-14-04; 547/81-14-04: Clarifications to Procedure CWP-6CE relative to cable terminations. This procedure is not complete.

Open 546/81-14-05; 547/81-14-05: Qualification records for one QC inspector were not available; the contractor's QA manager, who has access to the records, was on vacation.

#### Functional or Program Areas Inspected

The inspector observed the storage of 4.16 KV switchgear, 480 volt switchgear and 480 volt motor control centers. The equipment was being stored in Warehouse P-4; storage level B conditions were being maintained. At the inspector's request the plastic covers were removed for the Main Control Board panels identified as 1PM05J, 1PM06J, (Unit 1); 2PM05J and 2PM06J (Unit 2). The inside of the panels was clean. The licensee informed the inspector that receipt inspections had not been performed on this equipment.

No items of noncompliance were identified in the above area.

#### Exit Interview

At the conclusion of the inspection, the inspector discussed the findings with personnel identified in the Persons Contacted section of this report.