

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

REGION III

Report Nos. 50-546/81-05; 50-547/81-05

Docket Nos. 50-546; 50-547

License Nos. CPPR-170; CPPR-171

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

Facility Name: Marble Hill Generating Station, Units 1 and 2

Inspection At: Marble Hill Site, Jefferson County, IN

Inspection Conducted: April 1-30, 1981

Inspector: *J. J. Harrison*
J. J. Harrison

5/5/81

Approved By: *W. S. Little*
W. S. Little, Chief
Reactor Projects Section 2C

5/27/81

Inspection Summary

Inspection during the period of April 1-30, 1981 (Report Nos. 50-546/81-05; 50-547/81-05)

Areas Inspected: Inspection by the IE Regional Resident Inspector of activities at the site to verify that the activities being performed complied with the NRC Confirming Stop Work Order, dated August 15, 1979, and were within the scope of the Graduated Recission of the order as identified in letters dated July 7, 1980 (authorization for PSI to resume receiving inspection activities), November 13, 1980 (authorization for two firms, Cherne and Commonwealth-Lord JV, to resume receiving inspection activities), December 5, 1980 (authorization for two firms, Cherne and Commonwealth-Lord JV, to resume construction activities with certain conditions being specified), and March 27, 1981 (authorization for Newberg-Marble Hill to resume receiving inspection and construction activities with certain conditions being specified). The inspection also consisted of a review of storage and maintenance activities for safety related items and construction activities being conducted by the mechanical, electrical and civil contractors. This inspection involved a total of 226 inspector-hours on site by one NRC inspector, including 18 inspector hours onsite during off-shifts.
Results: No items of noncompliance or deviations were identified.

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DETAILS

Principal Persons Contacted

Public Service of Indiana (PSI)

- *S. Shields, Senior Vice President Nuclear Division
- B. Petro, Executive Director - Nuclear Project Management
- *L. Ramsett, Executive Director - Nuclear Quality Assurance
- N. Reichel, Contract Manager Civil
- G. Warner, Civil Construction Engineering Supervisor
- *C. Beckham, Quality Engineering Manager
- D. Janecke, Quality Systems Superintendent
- J. Roberts, Inspection Superintendent
- T. Burns, Project Engineering Manager
- B. Morrison, Superintendent - Civil Quality Engineering
- H. Curry, Superintendent - Electrical Quality Engineering
- *J. Keys, QA Administrative Assistant

Cherne Contracting Corporation (CCC)

- J. Mortell, Project Manager
- A. Dolgaard, QC Manager
- T. Francis, Principal Engineer

Newberg-Marble Hill (N-MH)

- D. Stegmoller, Vice President - Power Construction
- L. Elliott, Project Manager
- C. Barbour, Project QA Manager

Westinghouse Electric Corporation

- C. Markham, Site Manager

Authorized Nuclear Inspector (ANI)

- A. Clark, Hartford Steam Boiler (ANI-PSI)
- B. Braden, Hartford Steam Boiler (ANI-Cherne)

Nuclear Regulatory Commission

- R. Marabito, Public Affairs Officer
- F. Hawkins, Reactor Inspector
- J. Norton, Reactor Inspector
- C. Erb, Reactor Inspector

*Denotes those present at the exit meetings.

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

Functional or Program Areas Inspected

1. Construction Activities

Inspection of construction activities was performed by the Resident Inspector to assure that work in Category 1 areas was being performed within the scope of the NRC Confirmatory Order dated August 15, 1979 and Graduated Rescission to the Order by NRC letters of July 7, November 13, December 5, 1980, and March 27, 1981. The activities observed were within this scope. Four inspections were conducted during off-shift periods.

Also during this reporting period the Resident Inspector observed the following:

- A. Civil- The chipping, evaluation and repair of defective concrete areas in the Auxiliary, Fuel, and Unit 1 Containment Buildings. These activities began in safety related areas on 4/3/81 and on areas designated by the NRC on 4/7/81. The Resident Inspector attended training sessions on and observed the work and inspection activities as detailed in Newberg Procedures:

WPN-25, Concrete Patching, Revision 5

WPN-25-02, Concrete Patch and Repair Area Evaluation, Revision 2

QCP-10.06, Post Placement, and Patching Inspection, Revision 2

Also during the month the Resident Inspector assisted regional-based Reactor Inspector F.C. Hawkins in observing two concrete placements. Independent inspections were also conducted for preplacement and post placement activities for pours 2SW-377-7C and 2SW-377-5A to the following Newberg procedures:

WPN-9, Concrete Placement, Revision 14

WPN-41, Concrete Curing, Revision 1

QCP-10.02, Concrete Preplacement Inspection, Revision 2

QCP-10.03, Concrete Placement Inspection, Revision 1

QCP-10.04, Concrete Curing Inspection, Revision 1

Details of this inspection are denoted in NRC Inspection Report numbers 50-546/81-06 and 50-547/81-06.

- B. Electrical - The installation of electrical hangers in the Auxiliary Building, elevation 346, to the following Commonwealth-Lord JV Procedures:

CWP-C8A, Welding Procedure General, Revision 1

CWP-C3B, Cable Tray System Installation, Revision 1

CWP-C24, Priming and Galvanizing Repair, Revision 1

- C. Mechanical - The installation of Containment Spray System in the Unit 1 and 2 dome areas to the following Cherne Contracting Company Procedures:

13.10, Fitting and Alignment, Revision 4

WPS 808B021 - 1.0 CT, Revision 6

No items of noncompliance or deviations were identified.

2. Storage and Preservation of Material and Equipment

The Resident Inspector observed the storage conditions and maintenance activities in laydown areas, warehouses, and interim storage in the Auxiliary and Fuel Handling Buildings, and other storage areas of material and equipment. These inspections were performed to assure compliance with the requirements of ANSI N45.2.2 Packaging, Shipping, Receiving, Storage and other requirements of the Nuclear Steam System Supplier (Westinghouse) and the Public Service of Indiana's Project Management Manual.

No items of noncompliance or deviations were identified.

Media Contact

The Resident Inspector was interviewed (per telecon) as follows:

On April 7, 1981 with Ms. Joann Dann, reporter for McGraw-Hill Publication "Inside the NRC". Interview subjects consisted of status of Marble Hill project, lifting of the "Confirming Order" and constraints, and concrete activities.

On April 30, 1981 with Mr. J. Brice, a free-lance writer; currently preparing "The History of Commonwealth Electric Company". Interview subjects were the Marble Hill confirming order, activities during the work stoppage and current electrical activities.

Exit Meetings

The Resident Inspector also met with licensee representatives (denoted under Persons Contacted) periodically throughout this reporting period collectively and individually. The inspector summarized the scope and findings for each part of this activity.