

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report Nos. 50-546/82-13; 50-547/82-13(DPRP)

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 Nuclear Generating Station, Units 1 and 2

Inspection At: Marble Hill Site, Jefferson County, IN

Inspection Conducted: June 1-11 and July 19-31, 1982

Inspector: *J. J. Harrison* 8/10/82
J. J. Harrison

Approved By: *J. E. Konklin* 8/23/82
J. E. Konklin, Chief
Reactor Projects Section 2A

Inspection Summary

Inspection during the period of June 1-11 and July 19-31, 1982 (Report Nos. 50-546/82-13; 50-547/82-13(DPRP))

Areas Inspected: Inspection by the Regional Resident Inspector of correction actions taken on project training program and nonconformance report problems, general housekeeping and fire protection. Also the stop-work and corrective actions being taken by the electrical contractor were reviewed. This inspection involved a total of 104 inspector-hours on site by one NRC Inspector, including 20 inspector-hours during off shifts.

DETAILS

I. Persons Contacted

Public Service of Indiana (PSI)

*S. Shields, Senior Vice President, Nuclear Division
*B. Petro, Vice President - Nuclear Projects
*L. Ramsett, Quality Assurance Officer
J. Bott, Nuclear Regulations and Affairs Manager
N. Reichel, Construction Manager
*C. Beckham, Quality Engineering Manager
G. Fisher, Senior Quality Control Engineer, Civil
E. Aimone, Division Personnel Manager
T. Green, Training and Development Manager, Acting
G. Hyde, Senior Engineer, Training and Development
S. Gordy, Senior Engineer, Training and Development

Commonwealth-Lord Joint Venture (CL-JV)

E. Wilson, Project Quality Assurance Director
R. Arthurs, Project Quality Assurance Engineering Manager

Newberg-Marble Hill (N-MH)

*D. Stegemoller, Vice President - Power Construction
R. Donica, Project QA Manager

J. L. Manta

W. Bates, QA Manager

Westinghouse Electric Corporation

C. Markham, Site Manager

Authorized Nuclear Inspector (ANI)

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

*Denotes those present at the exit meetings.

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

2. Licensee Action on Previous Inspection Findings

(Closed) Noncompliance (546/81-22/01; 547/81-22-01) This noncompliance was based on failure to fully implement the project training program. Six areas were specifically denoted as being deficient. The inspector reviewed the licensee's corrective actions by examining the training procedure, PM 1.04, Revision 7, the training plans for selected departments, and the training records for selected individuals. This review revealed the corrective actions to be acceptable. Specific findings, with the actions taken, follow:

- (a) "Training plans were incomplete and incorrect" - the plans have been revised by departmental functions, and categories have been established with specific training requirements for each job function. The training plans for the Materials Group and Project Engineering were included in this review and found to be acceptable.
- (b) "Work commenced prior to completion of indoctrination/orientation training" - the system to ensure new employees are properly indoctrinated and oriented was changed to triggering mechanism in the personnel department. When a new hire reports for work the individual is informed of the training requirements, acknowledgement is by signing a form, and training department follow-up is included. This system, as reviewed, appears to be satisfactory.
- (c) "Personnel were not trained to revised procedures" - the new system described in (a) above also specified the required training for each individual in the training plan. A computer system is currently being devised to provide timely notification and improve the overall efficiency of the program. These actions taken by the licensee are considered acceptable.
- (d) "Training plan revisions were not approved" - PMP 1.04 currently addresses plan review and approval for content, including revisions. The upgraded training plans denoted in (a) above should prevent recurrence. This action is considered to be acceptable.
- (e) "Training records were incomplete" - training records forms were revised to include revision numbers of the procedures used for training. Also each employee will be required to sign each element as it is completed, and sign the entire record form off when it is completed. Also, records will be reviewed for acceptance prior to being placed in the records management system. This action appears to be adequate to correct the problem.

- (f) "Procedure training was not conducted" - specific training by the revised training plans is now uniform and a sign-off is required prior to an individual going to work. This is described in (a) and (c) above. The system was tested and found to be functioning properly.

This item is closed.

(Closed) Unresolved Item (546/82-06-01; 547/82-06-01) The coatings contractor, J. L. Manta, was using a Nonconformance Report form that did not contain a section for review and approval by the Architect-Engineer, Licensee Project Engineering and Quality Engineering. Corrective action included revision to the NCR form and Manta Procedure JLM/QP-04 (Revision 5). Three recently issued NCR's were selected and examined for proper review and approval; these were found to have been processed properly. This item is closed.

3. Housekeeping

During this reporting period the plant was inspected for general housekeeping to the requirements of ANSI N45.2.3, Regulatory Guide 1.39, and PSI Procedure PMP 2.03, Construction Housekeeping, Revision 2. The construction work areas in and around safety-related buildings were found to be free of trash and debris. Storage and laydown areas and warehouses were also found to be clean. Trash and garbage is collected, stored and removed from the site. Temporary construction materials, concrete form-work, scaffolding, etc., are being collected and stored when not in use. Zones have been properly established as required with proper access controls. The buildings were also noted to be free of "graffiti." Lighting and ventilation were found to be adequate. The areas inspected were also found to be free from uncontrolled flammable liquids, and adequate protection was being utilized during welding and burning operations. construction roadways, ramps, and access ways were also noted to be in good condition.

4. Electrical Stop-Work

The electrical contractor, Commonwealth-Lord Joint Venture (CL-JV), imposed a stop-work on selected safety-related construction activities on June 4, 1982. The Licensee and CL-JV had both detected numerous problems, such as workers not following procedures and work proceeding without travelers being issued. During this stop-work period CL-JV is taking corrective action by:

- . Reorganization of the project and corporate structures, including QA/QC.
- . Evaluating and rewriting the QA Program.
- . Evaluating and rewriting QA/QC procedures and work procedures.
- . Contracting an outside consultant to evaluate the overall QA/QC program.
- . Evaluating and inspecting of work and inspection activities completed prior to the stop-work.
- . Hiring additional and more qualified QA/QC personnel.

. Retraining all project personnel, including craft.

The Licensee is involved in the program change approval cycle and is performing an overview of corrective action being taken.

The inspector performed a review of actions taken and planned, including meetings and discussions with key Licensee and Contractor personnel. The actions being taken and planned appear to be adequate.

5. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) throughout the month and at the conclusion of the inspection, and summarized the scope and findings of the inspection activities.