

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Reports No. 50-440/82-10(DPRP); 50-441/82-09(DPRP)

Docket Nos. 50-440; 50-441

Licenses No. CPPR-148; CPPR-149

Licensee: Cleveland Electric Illuminating Company
Post Office Box 5000
Cleveland, OH 44101

Facility Name: Perry Nuclear Power Plant, Units 1 and 2

Inspection At: Perry Site, Perry, OH

Inspection Conducted: May 1 through July 31, 1982

Inspector: M. L. Gildner

RC Knapp for

9-17-82

Approved By: J. E. Konklin, Chief
Reactor Projects Section 1A

RC Knapp for

9-17-82

Inspection Summary

Inspection on May 1 through July 31, 1982 (Reports No. 50-440/82-10(DPRP); 50-441/82-09(DPRP))

Areas Inspected: Routine inspection by the Resident Inspector of safety related construction activities including followup of previously identified inspection findings, followup on 10 CFR 50.55(e) reportable items, observation of Unit 2 reactor internals and containment component installation, observation of general housekeeping, followup on regional requests, and participation in ACRS and management meetings. The inspection involved a total of 184 inspector-hours onsite by one NRC inspector and including 21 inspector-hours onsite during off-shifts.

Results: No items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

Cleveland Electric Illuminating Company (CEI)

D. R. Davidson, Systems Engineering and Construction, Vice President
M. R. Edelman, Nuclear Engineering Department Manager
*R. L. Farrell, Nuclear Quality Assurance Manager
J. J. Waldron, Perry Plant Department Manager
J. A. Kline, Construction General Supervising Engineer
*E. Riley, Construction Quality General Supervising Engineer
G. R. Leidich, CQS QE Supervisor
L. O. Bech, Licensing General Supervisor

Gilbert Associates, Inc. (GAI)

C. F. Hubbuch, Mechanical CQE

Kaiser Engineering, Inc. (KEI)

M. R. Kritzer, Lead Civil Quality Engineer
R. J. Czyzewski, Civil CQE
G. M. Daderko, Civil CQE

Contractor Personnel

W. D. Dervay, Field Engineer (NNICO)

The inspector also contacted and interviewed other licensee and contractor personnel during this inspection period.

*Denotes those attending one or more of the exit meetings.

2. Licensee Action on Previous Inspection Findings

(Closed) Noncompliance (440/80-06-02; 441/80-06-02): Failure by National Engineering and Contracting Company (NECC) to provide indoctrination and training to craft personnel. The Resident Inspector reviewed records of training in vibrator techniques given to NECC craft personnel doing such work. The Resident Inspector also reviewed attendance sheets for periodic "tool box talks" given to NECC craft personnel on a wide variety of subjects related to their activities at Perry. This item is considered closed.

3. Licensee Action on Other Items

(Closed) 10 CFR 50.55(e) Report, "Sensitized Stainless Steel Pipe Spools." The licensee and the contractor were able to bring two of the three subject pipe spools into full compliance with the requirements by returning them to the fabricator for reprocessing. The remaining pipe spool is completely imbedded in concrete and unavailable for reprocessing. An extensive evaluation of the service conditions for the system and its effects on the subject pipe spool was made by Gilbert Associates. The evaluation indicates that for the design service conditions, intergranular stress corrosion cracking is not a problem. Should a problem develop, the pipe spool is totally embedded in concrete and a leak could be readily identified and could not result in any catastrophic failure of the pipe spool.

4. Installation of the Unit 2 Reactor Internals and Major Containment Components

The Resident Inspector observed preparatory testing of the Lampson Transi-Lift crane and the installation of reactor vessel internals and major containment components in the Unit 2 Reactor Building. Transi-Lift crane testing for state recertification was accomplished in accordance with Newport News Industrial Corporation of Ohio (NNICO) Standard Operating Procedure No. 12, Revision A (Transi-Lift Test Lift-Unit 2).

The 689 foot level personnel air lock was installed in accordance with NNICO Manufacturing/Installation Instruction No. 701-NC-I023-2, Revision E (Containment Shell Penetrations - Course 13 and 14).

The drywell head was removed in preparation for the reactor vessel internals installation in accordance with applicable portions of NNICO Manufacturing/Installation Instruction No. 948-NC-I025-2, Revision G (Drywell Head Cover and Refueling Bulkhead Assembly). The reactor internal dryer assembly was installed in the Unit 2 reactor vessel in accordance with the applicable portions of General Electric IS&E Traveller T-2B13-06, Revision 1 (Unit 2 Steam Separator/Dryer Lift).

The Unit 2 polar crane was installed in accordance with General Electric IS&E Traveller T-2L51-01, Revision 0 (Assembly and Installation of Polar Crane).

No items of noncompliance or deviations were identified.

5. Plant Tours

The Resident Inspector made several tours of the plant during normal and off-shift hours to observe work in progress and general housekeeping. The inspector noted that housekeeping had improved in certain areas but that there was an abundance of temporary staging and scaffolding stored in areas of the plant where they could

present a personnel hazard. This concern becomes more acute as work progresses because the amount of available storage space diminishes as equipment is installed.

No items of noncompliance or deviations were identified.

6. Regional Requests

The Resident Inspector was requested by Region III to determine the manufacturer of the bullet resistant fire doors and to determine whether the applicant had documentation specifically confirming that the doors had been tested and approved for fire resistance by a nationally recognized laboratory. It was determined that the doors were manufactured by Chicago Bullet Proof Equipment Company. The applicant has documentation provided by the manufacturer which specifically confirms that the doors, as supplied, have been tested and approved by Underwriters Laboratories, Inc.

7. Participation in ACRS Meetings

The Resident Inspector participated in meetings with the ACRS Subcommittee and Full Committee on the subject of an operating license for Perry Unit 1. The Resident Inspector did much of the SER management and organization review for the NRC staff. The Resident Inspector and other members of the Region III staff accompanied the ACRS Subcommittee members during a site tour and responded to questions concerning the Perry management organization asked by members of the ACRS Full Committee.

8. Management Meeting

Licensee representatives Messrs. Davidson, Edelman, Farrell, and Riley met with the Resident and other Region III staff in the regional office on Friday, June 18, 1982, to discuss Quality Assurance problems identified by the investigation of allegations made to Region III concerning the QA activities of L. K. Comstock.

The licensee discussed his actions to date on his commitment made during the February 10, 1982, meeting to verify proper implementation of the established Quality Assurance Program.

9. Exit Meetings

The Resident Inspector met with licensee representatives denoted in Paragraph 1 on June 10 and July 30, 1982, to discuss the scope and results of the inspection.