

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report Nos. 50-440/82-11(DETP); 50-441/82-10(DETP)

Docket Nos. 50-440; 50-441

License Nos. 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: August 31, September 1 and 2, 1982.

Inspector: *[Signature]*
K. D. Ward

9/14/82

Approved By: *[Signature]*
D. H. Danielson, Chief
Materials and Processes Section

9/14/82

Inspection Summary

Inspection on August 31, September 1 and 2, 1982 (Report No. 50-440/82-11(DETP); 50-441/82-10(DETP))

Areas Inspected: Preservice inspection (PSI) procedures and work activities; nondestructive examination (NDE) personnel certifications and data; previous inspection findings; 10 CFR 50.55(e) and IE Bulleting 80-08 activities. The inspection involved a total of 16 inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

DETAILS

Persons Contacted

Cleveland Electric Illuminating Company (CEI)

- *M. Edelman, Division Manager, Nuclear Engineering & Construction
- *R. Farrell, Manager, Nuclear QA
- *K. Kaplan, Senior Engineering Aide
 - J. Wilcox, Responsible Engineer
 - G. Tilisky, Quality Engineer
 - C. Wirtz, Senior Engineering Aide

Gilbert Associates, Incorporated (GAI)

- A. Bradshaw, NDE Level III

Kaiser Engineers, Incorporated (KEI)

- J. Bowser, NDE Level II

Nuclear Energy Services (NES)

- R. Bott, Site Manager

Hartford Steam Boiler Engineering and Insurance Company (HSB)

- L. Laps, Authorized Nuclear Inservice Inspector (ANII)

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

*Denotes those present at the exit interview.

Licensee Action on Previous Inspection Findings

(CLOSED) Violation (440/82-03-03): There were 4 items in this violation. One item was closed (Reference Inspection Report No. 50-440/82-02; 50-441/82-02) in which lead locations markers were located in the area of interest. The other 3 items concerning weld #WN 1-1, were submitted to the NRC as a 50.55(e) report on April 5, 1982. (See 440/82-10-EE; 441/82-09-EE)

(OPEN) Violation (440/81-09-01; 441/81-09-01): Shimming of penetrameters. CEI has completed review of all radiographs concerned and is waiting concurrence from the State of Ohio and the National Board Representatives. The representatives are to be on site in the near future.

(OPEN) Unresolved Item (440/82-03-01): Radiography of linear indications. To date, the weld has been rejected and has not be repaired.

Licensee Action on 10 CFR 50.55(e) Items

(CLOSED) (440/81-05-EE; 441/81-05-EE) Socket weld fit ups for safety class CRD piping. Date reported June 3, 1981. Final report dated June 3, 1982. The inspector reviewed the final report, analysis report, NCR report #CQC #2244 and reports of approximately 200 socket welds that were cut out and rewelded. This included all socket welds in question.

(CLOSED) (440/82-03-EE; 441/82-03-EE): Deficient Code Data Reports. Date reported February 23, 1982. Final report submitted July 23, 1982. The inspector reviewed the final report and the Code Data Reports which were determined to be deficient were returned to the manufacturer for correction and most have been returned to PNPP. The National Board of Boiler and Pressure Vessel Inspectors has been asked to assist some vendors in making the remaining Code Data Report corrections. The Perry Nuclear Power Project will also recommend to the ASME and inspection agencies that more clarification of the requirements be provided for completing Code Data Reports. Review of Code Data Reports prior to installation will continue and any discrepancies will be documented and handled on a case-by-case basis.

(CLOSED) (440/82-06-EE; 441/82-06-EE): Socket welds of unequal leg fillets. Date reported March 19, 1982. Final report dated April 15, 1982. The inspector reviewed the final report and all socket welds with the unequal leg which were bottomed out or which were likely to bottom out were removed and reworked/repaired. This included approximately 100 welds.

(CLOSED) (440/81-03-EE; 441/81-03-EE): Anchor & Barrier plate material on safety related penetrations. Date reported April 8, 1981. Final report dated May 5, 1981. The inspector reviewed the final report and all 43 containment vessel penetrations have been repaired or refabricated. GAI and the ANI reviewed all documentation and now all documentation is being verified by CEI, QC and may be completed in the near future. The inspector also reviewed the deviation analysis reports and other various documentation.

(OPEN) (440/81-17-EE): Marking of certain weld indications during Unit 1 suppression pool clad floor plate installation activities. Date reported November 12, 1981. Final report submitted March 31, 1982. All marked areas have been removed and inspected but have not been repaired waiting on disposition of 50.55(e) (440/82-08-EE). Suppression pool floor plate welding deficiencies. At that time this item will be completed.

(OPEN) (440/80-08-EE; 441/80-08-EE): Areas of fissuring in containment steel cladding. Date reported October 6, 1980. This item is being worked and may be completed the end of 1982.

(OPEN) (440/82-10-EE; 441/82-09-EE): Rejection of previously accepted containment vessel radiographs. Date reported April 5, 1982. All radiographs have been reviewed on Unit 1 and approximately 75% have been reviewed on Unit 2. This item may be completed in the near future.

(OPEN) (440/82-08-EE): Suppression pool floor plate welding deficiencies. The evaluation to determine the extent of the welding problems is continuing and may be completed the first part of 1983. Date reported March 24, 1982.

Licensee Action on IE Bulletin 80-08

NRC IE Bulletin #80-08, titled, "Examination of Containment Liner Penetration Welds," dated April 8, 1980.

(OPEN) The result of all NDE are not available at this time because penetrations have not been installed.

Functional or Program Areas Inspected

1. General

Reference: NRC Report No. 50-440/81-04; 50-441/81-04, (PSI)
NRC Report No. 50-440/81-09; 50-441/81-09, (PSI)
NRC Report No. 50-440/82-03; 50-441/82-03, (PSI)

2. Procedure Review

The inspector reviewed the following procedures:

- . CEI, Surveillance of Preservice Inspection/Inservice Inspection Activities Performed by Nuclear Energy Services (NES), 82-1001 Revision 0.
- . CEI, Transmittal of PSI/ISI Data Sheets for approval, 8-1721, Revision 0.

No items of noncompliance or deviations were identified.

3. NDR Personnel, Material and Equipment Certifications

The inspector reviewed NES NDE personnel certifications in accordance with SNT-TC-1A, 1975 Edition and certification documents relative to the following items:

- . Ultrasonic calibration blocks
- . Liquid penetrant, magnaflux materials, penetrant, cleaner and developer.

No items of noncompliance or deviations were identified.

4. Review of Data Reports and Audit Observation of Work Activities

The inspector reviewed data reports and determined that they demonstrated that the QA/QC requirements were met.

The inspector also reviewed audit #91A8218, CEI audit of NES PSI activities on site. CEI is also performing an audit at the main office of NES at this time.

The inspector observed ultrasonic examinations of RHR Weld #20120007 and had discussions with personnel during the activities. These observations included calibrations, performance of the examinations, and the documentation.

No items of noncompliance or deviations were identified.

Exit Interview

The inspector met with site representatives (denoted in Persons Contacted paragraph) at the conclusion of the inspection. The inspector summarized the scope and findings of the inspection noted in this report.