

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-329/81-21; 50-330/81-21

Docket No. 50-329; 50-330

License No. CPPR-81; CPPR-82

Licensee: Consumers Power Company
1945 W. Parnell Road
Jackson, MI 49201

Facility Name: Midland Plant, Units 1 and 2

Inspection At: Midland Site, Midland, MI

Inspection Conducted: November 24, 1981

Inspector: *K. D. Ward*
K. D. Ward

12/8/81

Approved By: *D. H. Danielson*
D. H. Danielson, Chief
Materials & Processes Section

12/8/81

Inspection Summary

Inspection on November 24, 1981 (Report No. 50-329/81-21; 50-330/81-21)

Areas Inspected: Quality level of radiographs of shop welds supplied by ITT Ginnell. The inspection involved a total of eight inspection-hours onsite by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

DETAILS

Persons Contacted

- *M. Miller, Jr., Site Manager
- *E. Margoglio, Director, Environmental Services and QA
- *W. Agerter, Section Head, Mechanical & Fluids, QA
- *B. Peck, Construction Superintendent
- *J. Decker, NDE/Welding Supervisor

Nondestructive Test Engineering (NDT-Engineer)

- B. Epler, NDE Technician
- J. Polson, NDE Technician

*Denotes those attending the exit interview.

Licensee Action on Previous Inspection Findings

(Open) Deviation (329/80-01-02; 330/80-01-03): "No positive way of tracking design changes and assuring that completed work is modified in accordance with design changes and no procedure for handling design changes made after completion of work." CPCo is in the process of reviewing the criteria from Bechtel for making changes.

(Open) Unresolved Item (329/80-17-02; 330/80-19-02): "Radiographic linear indications of welds in two borated water storage tanks." A decision has been made by CPCo to have all questionable radiographic welds re-radiographed. The tanks have water in them, are to be drained and re-radiography may be completed July 1982.

Functional and Program Areas Inspected

1. Allegations

CPCo received four allegations concerning B&W NDE work from an individual previously employed at the Midland Site (File 16.0, Serial 98FQA80, dated April 11, 1980). Three of the allegations were closed (Reference NRC Report No. 50-329/80-27; 50-330/80-28 and No. 50-329/81-06; 50-330/81-06). The fourth allegation has not been resolved to date. CPCo management in Jackson, Michigan is reviewing the allegation.

2. Review of ITT Grinnell Radiographs

CPCo contracted Nondestructive Test Engineering, a Division of Hartford Steam Boiler Inspection and Insurance, to review approximately 94,000 shop radiographs. Several radiographs did not meet code requirements and are to be corrected. The review started July 1981 and was completed November 9, 1981. The radiographs were of shop welds, castings, etc., and the radiography was performed by various companys.

The Manager of the Midland QA Department contacted Region III stating that there was a potential problem involving four sets of radiographs of the following 6" schedule 40, Class II pipe welds on the Reactor Building Spray System for Midland Unit No. 1.

<u>Piece No.</u>	<u>Weld No.</u>	<u>Material</u>	<u>Date RT</u>
1-GCB-18-S612-4-2	A	Stainless Steel	12/18/75
1-GCB-18-S612-4-1	B	Stainless Steel	12/19/75
1-GCB-18-S612-4-1	C	Stainless Steel	12/19/75
1-GCB-18-S612-4-1	A	Stainless Steel	12/19/75

The radiography was performed by ITT Grinnell Industrial Piping, Inc., Kernersville, N.C. in accordance with ASME, Section III, 1971 Edition, Summer 1973 Addenda. The 4 T hole appears to have been altered on some of the radiographs by a sharp device which, when applied to the 4 T image area, caused a circular pattern of scratch marks making the 4 T hole readily visible to anyone who would normally be evaluating the radiographs. The above four welds were re-radiographed by site NDE personnel and found to be acceptable.

CPCo released the original radiographs and the following documentation to the inspector for future use during a NRC Region IV vendor inspection. CPCo requested that the radiographs be returned to the site when the inspection is completed.

1. Piping Isometric, Reactor Building Spray System "B" Engineered Safeguards Room, Unit I, Drawing #M-612 Sheet 4(Q); Revision 15.
2. Form NPP-1, Data Report for Fabricated Nuclear Piping Sheet 1-4 including:
 - a. ISO of welds,
 - b. Bill of Material and Labor Operations.
3. Travelers.
4. Radiographic Inspection Reports.
5. Liquid Penetrant Examination Reports.
6. Chemical Analysis and Mechanical Test.
7. Material Certifications.
8. Pictures of Pipe Welds.
9. Hartford Steam Boiler Inspection Insurance, Nondestructive Test Engineering Section memo dated November 23, 1981, to CPCo Vice President Engineering.

The above are copies of every piece of documentation that was on site. This is an unresolved item (329/81-21-01) pending completion of the Region IV review of this matter.

The inspector also reviewed radiographs of the following stainless steel welds in which the site was concerned because of the 4 T hole being very dark and clear. The inspector found these radiographs to be acceptable.

<u>Piece No.</u>	<u>Weld No.</u>	<u>Pipe Dia.</u>	<u>Class</u>	<u>Date RT</u>
2-HCB-18-S613-7-2	B	4"	2	6/21/77
2-HCB-43-S613-6-1	A	12"	2	12/16/74
2-HCB-43-S613-6-1	B	12"	2	1/13/75
2-HCB-43-S613-6-1	C	12"	2	1/13/75

Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, items of noncompliance, or deviations. Unresolved items disclosed during this inspection are discussed under Paragraph 2.

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.