

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-329/83-01(OSC); 50-330/83-01(OSC)

Docket No. 50-329; 50-330

License No. CPPR-81; CPPR-82

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

Facility Name: Midland Nuclear Plant

Inspection At: Midland Nuclear Plant Site, Midland, MI

Inspection Conducted: January 11-14, 1983

Inspectors: J. A. Simon

*W.D. Shafer for*  
*W. Sather for*  
A. Sather

2-25-83  
(Date)

2-25-83  
(Date)

Approved By: W. D. Shafer, Chief  
Section 2, Office of  
Special Cases

2-25-83  
(Date)

Inspection Summary

Inspection on January 11-14, 1983 (Report No. 50-329/83-01(OSC);  
50-330/83-01(OSC))

Areas Inspected: Routine inspection by regional personnel of previously identified items and followup on the Quality Assurance Program; review of previously closed nonconformance reports; investigation of cracks in existing containment structure; and review of pipe hangers. This inspection involved a total of 56 inspector-hours onsite by two NRC regional inspectors.  
Results: Of the four areas inspected, one item of noncompliance was identified - Severity Level V, Failure to follow procedures.

## DETAILS

### Persons Contacted

#### Consumers Power Company (CPCO)

- \*D. B. Miller, Site Manager
- \*B. H. Peck, Construction Superintendent
- \*M. L. Curland, MPQAD
- \*T. A. Spelman, Construction Engineer
- T. Johnson, Engineer
- \*J. T. Walton, MPQAD

#### Babcock and Wilcox Construction Company (B&WCC)

- \*V. N. Asgaonkar, Site Manager
- \*T. T. Davis, Construction
- W. Shearn, Subcontracts
- \*S. Taulbee, QC

#### Bechtel Power Company

- \*D. Anderson, Engineer
- \*R. Ash, FCR
- T. Bros, Engineer (Ann Arbor)
- \*P. Corcoran, Engineer
- \*M. Dietrich, PQAE
- S. Harvey, Engineer
- \*P. Goguen, Engineer
- R. Lenartz, Subcontract
- S. Mugavel, Engineer (Ann Arbor)
- \*B. Senn, Engineer
- \*T. Valenzano, Project Superintendent

Other licensee and contractor personnel were routinely contacted during the course of the inspection.

\*Denotes those attending the exit interview.

#### Licensee Action on Previously Identified Items

(Closed) Unresolved Item (329/82-25-01, 330/82-25-01): Nonconforming item delivered to a fabrication area. An ASME Section III, Class 1 valve, Serial Number 77855, was identified in a welding fabrication area on December 1, 1982. This was a violation of B&W's withdrawal and storage of piping materials (FCP 397) procedure which states, in part, "Receive and inspect materials withdrawn in Seg 010 per 9-QPP-108. Verify material has sufficient identification per 9-MR-100. Material is to be tagged in accordance with 9-QPP-115. Place material into bin or rack as applicable and identify location of material onto Attachment A."

Contrary to the above, the licensee issued an untagged item for installation which did not have documented evidence of acceptability.

The inspector informed the licensee that this unresolved item is escalated to an item of noncompliance with 10 CFR 50, Appendix B, Criterion V (329/83-01-01, 330/83-01-01), as described in the Appendix of the report transmittal letter.

(Closed) Unresolved Item (329/82-25-02; 330/82-25-02): Separation distance between two penetrations and preparation of reinforcing bars for concrete repair. The inspector reviewed the licensee's records for each of three instances which appeared to violate the penetration separation criteria delineated in specification 7222-C-231(Q), paragraph 9.2.2.a.2. In each case, the openings were temporary. It appeared that the final separation of the penetrations, after concrete repairs, would comply with the spatial requirements of the specification.

The inspector reviewed the licensee's records for one case which appeared to violate the separation criteria delineated in specification 7222-C-231(Q) paragraph 9.2.2.a.1. In this case, an error in terminology on the licensee's documentation indicated that the openings were permanent, which would have violated the criteria. The licensee provided additional documentation which showed that the openings were temporary and that the final separation of penetrations, after repairs, would comply with the requirements of the specification.

The inspector reviewed the licensee's records for one case which appeared to violate the concrete repair criteria of specification 7222-C-231(Q) paragraph 17.B. In this case, it was shown that the repair work had not been completed and inspection of the work had not been made. The wooden forms that were installed were intended to protect work completed to date.

#### Functional or Program Areas Inspected

##### 1. Review of Nonconformance Reports

The inspector reviewed a series of Non-Conformance Reports (NCRs) which had been issued by the licensee in the period from January 1977 through November 1977 and action completed. These NCRs had been reopened by the licensee when it was determined that Bechtel Procedure 7220 SF/PSP G-3.2 Appendix A, sheet 2 of 2, "Instructions for Preparing the Non-conformance Report", Block 23 was violated.

This procedure stated in part, "Project Engineering provided dispositions shall be described in this block using continuation sheets as required. If the disposition is "repair" or "use-as-is", Project Engineering shall provide the rationale and reference detailed design evaluations where such evaluations are required. The Project Engineer or designee making the disposition shall sign and date the block at the end of the statement. If this disposition requires a design change, Project Engineering shall identify the appropriate design change document by description and number in this block".

The NCRs noted were dispositioned "use-as-is" without adequate rationale in Block 23. The licensee, in a letter to Bechtel Power Corporation (BPC), dated March 6, 1980, instructed BPC to review all NCRs issued prior to June 30, 1980, and, if there would documents on file that provided the rationale for the dispositions of the noted NCRs, reopen the NCR and identify the documents on the NCR. If the documents did not exist, the detailed design evaluations rationalizing the reason for "use-as-is" must be given in Block 23. This task was scheduled to be completed by January 31, 1983 for civil NCRs and June 30, 1983 for all other NCRs. NCRs issued after June 21, 1980, conformed to the requirements.

This item is considered open pending completion of the licensee's reviews of the documents and a review of the disposition of the NCRs (329/83-01-02; 330/83-01-02).

2. Review of Cracks in Containment Wall

The inspector observed a series of cracks in the Unit 1 containment building. These cracks had not been previously identified by the licensee. An evaluation of the cracks and their significance is being made by the licensee's staff and will be completed by January 31, 1983.

This item is considered unresolved pending a review of the evaluation (329/83-01-03).

3. Review of Pipe Hangers

The inspector reviewed selected completed ASME Section III Class 1 pipe hangers/restraints/snubbers and associated QC records.

One hanger/restraint/snubber, identified as 2CCA-106-1-H1, that had been completed and accepted by QC was randomly selected in Unit 2. A field inspection was made to determine if these components were fabricated and installed in accordance with Drawing FSK-MM-2CCA-106-1-H1, Revision 0. No nonconformances were identified.

The following QC records pertinent to the above hanger were examined:

- . Field Construction Procedures Number 695-B
- . Weld Control Records BWCC Form Number 1836
- . Filler Metal Issue Sheet BWCC Form Number 31965
- . Certificate of Performance Welder Qualification Test
- . Drilling Permit Number 00525
- . Receiving Inspection Report for Hanger Materials
- . Welding Instructions Sheet
- . NDE Inspection Report
- . Certification of NDE Personnel Qualifications
- . QC Inspection Check List
- . Inspection Checklist for Expansion Type Concrete Anchors
- . Technical Specification for Field Procurement and ASME Section III, Subsection NF Materials and Component Standard

Supports for Nuclear Component Pipe Supports for Consumers  
Power Company Midland Plant Units 1 and 2.  
Document Number 7220-M-217(0), Revision 1.

No nonconformances were identified.

#### 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. An unresolved item disclosed during the inspection is discussed in Paragraph 2.

#### Open Items

Open items are matters which have been discussed with the licensee, which will be reviewed further by the inspector, and which involve some action on the part of the NRC or licensee or both. An open item disclosed during the inspection is discussed in Paragraph 1.

#### Exit Interview

The inspectors met with the licensee representatives (denoted in the Persons Contacted section of this report) on January 14, 1983, and summarized the scope and findings of the inspection activities. The licensee acknowledged the inspectors' findings.