

U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION III

Reports No. 50-329/81-02; 50-330/81-02

Docket Nos. 50-329; 50-330

License Nos. CPPR-81; CPPR-82

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

Facility Name: Midland Plant, Units 1 and 2

Inspection At: Midland Site, Midland, MI

Inspection Conducted: January 9, 20-21, 1981

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

1/30/81

Approved By: *D. H. Danielson*
D. H. Danielson, Chief
Engineering Support Section 2

1/30/81

Inspection Summary

Inspection on January 9, 20-21, 1981 (Report No. 50-329/81-02; 50-330/81-02)

Areas Inspected: Review of preservice inspection (PSI) procedures, work activities, nondestructive examination (NDE) personnel certifications and data. The inspection involved a total of 12 inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

DETAILS

Persons Contacted

Consumers Power Company (CPCo)

- *D. Turnbull, Sr. Superintendent Engineer
- *D. Keating, Section Head, Inspection, Examination, and Test Verification, (IE & TV)
- *W. Bird, QA Manager
- *D. Vekal, Supervisor Engineer
- *K. Rafferty, QAE (IE & TV)

Babcock and Wilcox Construction Company (B&W)

- *G. Navratil, Group Leader
- *R. Shope, QC Supervisor

Southwest Research Institute (SWRI)

- *F. Leonard, Project Manager

Bechtel National Inc. (Bechtel)

T. Koch, Technical Specialist

Hartford Steam Boiler Inspection and Insurance Company (HSB)

P. Fisher, Authorized Nuclear Inservice Inspector (ANII)

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

*Denotes those attending the final exit interview January 21, 1981.

Licensee Action on Previous Inspection Findings

(Open) Unresolved Items (329/80-17-02) and (330/80-19-02): Radiographic linear indications of welds in two borated water storage tanks. Graver and Bechtel are discussing the acceptance criteria of the radiographic linear indications of welds in the two borated water storage tanks.

Licensee Action on IE Bulletin

References: a. NRC memorandum dated April 7, 1980 to CPCo (IE Bulletin 79-03A titled "Longitudinal Weld Defects in ASME SA-312 type 304 Stainless Steel Pipe").

(Closed) IE Bulletin 79-03A. The inspector reviewed the final response and actions taken for IE Bulletin 79-03A and has no questions at this time.

1. Functional or Program Areas Inspected

a. General

References:

- (1) NRC Report No. 50-329/79-20; 50-330/79-21 (PSI)
- (2) NRC Report No. 50-329/80-03; 50-330/80-03 (PSI)
- (3) NRC Report No. 50-329/80-07; 50-330/80-07 (Investigation into allegations)
- (4) NRC Report No. 50-329/80-17; 50-330/80-18 (PSI)
- (5) NRC Report No. 50-329/80-27; 50-330/80-28 (PSI)

b. Procedure Review

The inspector reviewed the following procedures:

- (1) B&W, Ultrasonic Examination of Calibration Blocks Prior to Drilling of Calibration Holes, ISI-114, Revision 3, May 30, 1979.
- (2) B&W, Technical Procedure Describing the Use of the Eddy Current Data and Calibration Sheets, ISI-53, Revision 0, October 9, 1980.
- (3) B&W, Eddy Current Examination of OTSG Tubing in 177 Steam Generators, ISI-401, Revision 12, September 12, 1980.
- (4) B&W, Technical Procedure for the Evaluation of Eddy Current Data of Nuclear Grade Steam Generator Tubing, ISI-460, Revision 2, January 6, 1981.

No items of noncompliance or deviations were identified.

c. Material and Equipment Certification

The inspector reviewed the certification documents relative to the following items:

- (1) Ultrasonic instruments, calibration blocks, transducers and couplant
- (2) Liquid penetrant, magnaflux materials, penetrant, cleaner and developer

No items of noncompliance or deviations were identified.

d. NDE Personnel Certifications

The inspector reviewed the following NDE personnel certifications in accordance with SNT-TC-1A, 1975 Edition:

B&W

<u>Name</u>	<u>PT</u>	<u>MT</u>	<u>UT</u>	<u>ET</u>
J. Harrington, Jr.	II	II	I	I
T. U'Ren	II	II	I	II
P. Cocklin	I	I	I	I
L. Liberatore	I	I	I	I

SWRI

<u>Name</u>	<u>UT</u>
D. Ng	I
R. Five	II
J. Martinez	I

No items of noncompliance or deviations were identified.

e. Observation of Work Activities

The inspector observed the work and had discussions with personnel during review of the following activities. These observations included calibrations, performance of the examinations, and the documentation.

- (1) Ultrasonic examination of vessel weld C-3, Unit 1.
- (2) Liquid Penetrant examinations of pipe weld 1-FCB-42-1 and 1-FCB-42-3, Unit 1.

No items of noncompliance or deviations were identified.

f. Review of Data Reports

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

No items of noncompliance or deviations were identified.

2. Independent Inspection

- a. 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). Two of the allegations were closed (ref. NRC Report Number 50-329/80-27 and 50-330/80-28 and the other two are not resolved to date.

No items of noncompliance or deviations were identified.

- b. The inspector reviewed radiographs and reports of the following welds in accordance with ASME Section III, 1971 Edition, Summer 1973 Addenda.

<u>System</u>	<u>Weld</u>	<u>Diameter</u>	<u>Thickness</u>	<u>Date RT</u>
2CCA-12	12	2.5"	0.328"	5/23/80
2CCA-12	6	2.5"	0.375"	4/16/80
2CCA-12	15	2.5"	0.328"	8/15/80
2CCA-12	14	2.5"	0.328"	8/5/80
1CCA-49	19	1.00"	0.219"	10/14/80
1CCA-44	16	1.00"	0.219"	10/14/80
Incore Inst -1	L-14	1.00"	0.192"	10/13/80
1CCA-42	2	1.00"	0.219"	10/14/80
2EBB-1	1-3-1	1.5"	0.175"	10/10/80
2CCA-12	4A	2.5"	0.375"	10/13/80
1CCA-20	19	10.0"	1.093"	12/23/80
2CCA-12	2A	2.5"	0.328"	8/01/80
2CCA-12	1B	2.5"	0.328"	10/29/80
2CCA-12	13	2.5"	0.328"	6/5/80
2CCA-12	5A	2.5"	0.375"	10/7/80

No items of noncompliance or deviations were identified.

Unresolved Matters

Unresolved matters are items 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 the paragraph "Licensee Action on Previous Inspection Findings".

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.