

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

REGION III

Report of Construction Inspection

IE Inspection Report No. 050-329/75-04  
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Licensee: Consumers Power Company  
1945 W. Parnall Road  
Jackson, Michigan 49201

Midland Plant  
Units 1 and 2  
Midland, Michigan

License No. CPPR-81  
License No. CPPR-82  
Category: A

Type of Licensee: PWR (B&W) - Unit 1 - 650 MWe  
PWR (B&W) - Unit 2 - 818 MWe

Type of Inspection: Special, Announced

Dates of Inspection: June 10, 1975

Principal Inspector: I. T. Yin *I. Yin*

6/25/75  
(Date)

Accompanying Inspectors: None

Other Accompanying Personnel: None

Reviewed By: *D. W. Hayes*  
D. W. Hayes  
Senior Reactor Inspector  
Construction Projects

6/25/75  
(Date)

8006200 625

SUMMARY OF FINDINGS

Inspection Summary

Inspection on June 10, 1975: Review of open items contained in AEC/NRC inspection reports since 1970. The inspection was held in the IE:III office.

Enforcement Items

None.

Licensee Action on Previously Identified Enforcement Items

Not applicable.

Other Significant Items

A. Systems and Components

Not applicable.

B. Facility Items (Plan and Procedures)

Not applicable.

C. Managerial Items

A meeting was held with the licensee's representative in the Region III office on June 10, 1975. The purpose of the meeting was to review status of unresolved or open items identified in RO/IE inspection reports since 1970.

D. Noncompliance Identified and Corrected by Licensee

None.

E. Deviations

None.

F. Status of Previously Reported Unresolved Items

A number of unresolved items have been identified by both the licensee and the inspector. A follow up inspection at construction site is planned. (Appendix)

Management Interview

- A. The following persons attended the management interview at the conclusion of the inspection:

Consumers Power Company (CP)

H. W. Slager, Project Quality Assurance Administrator

USNRC, IE:III

I. T. Yin, Reactor Inspector - Projects

D. W. Hayes, Senior Reactor Inspector - Projects

- B. Matters discussed and comments, on the part of management personnel, were as follows:

The licensee representative acknowledged the inspector's commendation on behalf of his effort of documenting and evaluating NRC open inspection items. The inspector stated that he will review the subject matter in depth and plan for followup inspections as required at the site.

## REPORT DETAILS

### Results of Inspection

#### 1. Documentation of NRC Inspection Open Items by the Licensee

An effort was made by the licensee to systematically record and evaluate all noncompliance, deviation, unresolved and open items stated in Region III's inspection report, Summary and Detail Sections, since 1970. To date, no noncompliance items remain uncorrected, and most of the concerned matters have been resolved and recorded in IE:III reports. For those open items that have not been officially closed in IE:III reports, the licensee has grouped them into the following categories and has requested IE:III for concurrence:

- a. NRC Open Items considered to be resolved by CP.
- b. NRC Open Items considered to be unresolved by CP.

#### 2. IE:III's Position on Licensee Presentation

The inspector appreciates CP's effort and their awareness of the construction problems. Subsequent review of open items, considered to be resolved and unresolved by CP, has been made by the inspector. Results of the evaluation indicate that sixteen (16) items remain to be resolved. These items are identified in the Appendix. Followup review is planned relative to these matters during future inspections.

Other open items presented by CP but not listed in the Appendix were either never considered to be open by NRC or were resolved based on documentation or other information provided by the licensee.

Attachment:  
Appendix

APPENDIX

Midland Units 1 and 2

Open Items

IE:III Report No.	CP's Iden- tification	IE:III Report Page No.	IE:III Report Section	Summary
70-6	F	2 11	Summary 4 II-9-b	Concrete pour location QA and QC did not promptly identify and correct apparent deviations from the standards.
70-6	J	4	Management Interview #7	Questionable practice of only having one signature appear on QA audit forms, i.e., same person requested by, audited by, and reviewed by.
70-6	K	4  10 10 & 11	Management Interview #8 II-8-6 II-8-d	Incorrect concrete formula number on concrete transit ticket - steps will be taken to assure review of documentation on Class I pours. Printout malfunction.
70-6	L	6	- II-A-2	-Special concrete testing per PSAR.
71-1	A	3	Management Interview	Requires adequate steps to verify the integrity of existing structure before resuming construction.
71-2	A	3 5	II-9-b II-10	Significant surface deterioration of material in storage requested Bechtel's report and recommendations.
73-3	C	1  4  9	AEC Letter 6-21-73  Management Interview B-4  Results of Inspection 4-C	Perform evaluation to compliance of electroslag welding. Regulatory Guide 1.  CP will follow up on audit.

IE:III Report No.	CP's Iden- tification	IE:III Report Page No.	IE:III Report Section	Summary
73-4	C	5	Management Interview 1	Adjustment of the applicable codes in line to 50.55(a) urgently needs attention
73-6	P	3	QAF-7	Requirements for receiving, inspection, storing, protecting, and using of materia not included in Midland FIM.
73-11	E	9 & 11	1-b-4	QA Administrator onsite one day every two weeks.
74-10	B	5	Results of Inspection #1	Liner plate protective coating activities review to determine the degree of imple- mentation of the procedures and evaluatio of the painting will be accomplished during subsequent inspection.
74-10	D-1	9	Results of Inspection #5	Third party (2) review CP audits of contractor's performance to date
74-11	C	4 9	B-1 4	Inspection of NSSS equipment interiors.
75-01	A	3	B-2	Damaged spraylat.
75-01	B	3 12	B-4 II-3	Differences between specification and PSAR in slump requirements.
75-03	A	2 5 10	B B-3 II-3	Lack of control of field sketches resulting in auxiliary building rebar problems.