



Consumers  
Power  
Company

General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201 • Area Code 517 788-0550

November 10, 1978  
Howe-231-78

Mr J G Keppler, Regional Director  
Office of Inspection and Enforcement  
US Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

MIDLAND NUCLEAR PLANT  
UNIT NO 1, DOCKET NO 50-329  
UNIT NO 2, DOCKET NO 50-330  
REACTOR BUILDING SPRAY PIPING SUPPORTS

Reference: S H Howell letters to J G Keppler; Midland Nuclear Plant;  
Unit No 1, Docket No 50-329; Unit No 2, Docket No 50-330;  
Reactor Building Spray Piping Supports -

- 1) Serial Howe-60-78, dated April 19, 1978
- 2) Serial Howe-92-78, dated June 13, 1978
- 3) Serial Howe-154-78 dated August 30, 1978
- 4) Serial Howe-186-78, dated October 13, 1978

The referenced letters and this letter are interim reports. Attachment 1 provides the status of the analysis being conducted to resolve the question of the adequacy of the reactor building spray piping supports relative to the ASME Section III Code allowable stress requirements.

Another report, either interim or final, will be sent on or before December 19, 1978.

Attachment: (1) MCAR-22, Interim Report #8, dated November 6, 1978

CC: Director of Office of Inspection & Enforcement  
Att: Mr John G Davis, Acting Director, USNRC (15)

Director of Office of Management  
Information & Program Control, USNRC (1)

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BECHTEL ASSOCIATES PROFESSIONAL CORPORATION

SUBJECT: MCAR # 22 (Issued 3/21/78)

INTERIM REPORT # 3

DATE: November 6, 1978

PROJECT: Consumers Power Company  
Midland Plant Units 1 & 2  
Bechtel Job 7220

Status of Corrective Action and Investigation

The status of actions in progress for resolution of the subject MCAR is updated as follows:

1. ITT Grinnell has completed their analyses of the 3-, 4-, and 6-inch anchors for thermal, weight, and seismic response. Results indicate that allowable stresses are not exceeded.
2. ITT Grinnell analyses of anchor design for the water hammer loads submitted on September 28, 1978, has not yet been completed. Bechtel is supplying ITT Grinnell actual time-history data for water hammer analyses for their use. An analysis in accordance with Appendix F of Section III of the ASME Boiler and Pressure Vessel Code does not appear to be required because the water hammer loads are not as large as previously anticipated.

Forecast Data for Investigation and Corrective Action

The following specific forecast dates are provided:

1. The results of the analysis of thermal, weight, and seismic loads are now to be included in a final report from ITT Grinnell which will include results of water hammer load analysis. Therefore, see Item 2 below for final report completion date.
2. ITT Grinnell analysis of water hammer loads is scheduled for completion by January 19, 1979. This analysis will factor in time-history data for water hammer condition provided by Bechtel. These data are scheduled to be provided to ITT Grinnell by November 13, 1978.

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3. The next interim report is scheduled for December 8, 1978. A final report scheduled for February 16, 1979, remains valid as identified previously.

Submitted by:

*O. Anderson*

Approved by:

*J. H. Eastburn*

Concurrence by:

*Karl Wiedem*

BECHTEL ASSOCIATES PROFESSIONAL CORPORATION

DA/bob