

CENTRAL Files

JUL 10 1978

Docket No. 50-329

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Consumers Power Company  
ATTN: Mr. Stephen H. Howell  
Vice President  
1945 West Parnall Road  
Jackson, MI 49201

THIS DOCUMENT CONTAINS  
POOR QUALITY PAGES

Gentlemen:

Thank you for your interim report dated June 13, 1978, pursuant to 10 CFR 50.55(e) regarding reactor building spray piping supports. We will review your final report on this matter upon receipt.

Your cooperation with us is appreciated.

Sincerely,

R. F. Heishman, Chief  
Reactor Constructions and  
Engineering Support Branch

cc w/ltr dtd 6/13/78:  
Central Files  
Reproduction Unit NRC 20b  
PDR  
Local PDR  
MSIC  
TIC  
Ronald Callen, Michigan Public  
Service Commission  
Dr. Wayne E. North  
Myron M. Cherry, Chicago

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OFFICE ▶	RIII <i>[Signature]</i>	RIII	RIII <i>[Signature]</i>	RIII <i>[Signature]</i>	
SURNAME ▶	Vander <i>[Signature]</i>	<i>[Signature]</i>	Hayes	Heishman	
DATE ▶	7/14/78				

Stephen H. Howell  
Vice President



General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201

June 13, 1978  
Howe-92-78

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: Letter, S. H. Howell 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, Howe-60-78, dated  
April 19, 1978

The referenced letter and this letter are interim reports. Attachments 1  
and 2 provide Bechtel Associates Professional Corporation Interim Reports 2  
and 3 to MCAR-1 Report No. 22 which provide the status of the analysis  
being conducted to resolve the question of adequacy of the reactor building  
spray piping supports to the ASME Section III Code allowable stress  
requirements.

Another report, either interim or final, will be sent on or before  
September 1, 1978.

- Attachments: (1) MCAR-22, Interim Report #2, dated May 5, 1978.  
(2) MCAR-22, Interim Report #3, dated June 2, 1978.

CC: Dr Ernst Volgenau, USNRC (15)

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

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

INTERIM REPORT #2

DATE: May 5, 1978

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

Status of Corrective Action and Investigation

Interim Report #1 provided a listing of actions initiated in resolving the situation. The status of these actions is updated as follows:

- 1) Grinnell will reanalyse anchors when provided with revised load sheets.
- 2) Piping system reanalysis has been initiated. The attention remains to define specific loadings for each of the subject anchors, rather than utilize a "worst-case" application to all anchors, as had been done previously. Water hammer analysis is in process. Thermal loading information as well as seismic response data for the subject system piping have been generated. This information is currently being transferred to individual anchor load sheets with appropriate axis translations being made for the curvilinear spray piping system.
- 3) Procedural methods have been reviewed and will continue to be monitored.

Forecast Data for Investigation and Corrective Action

Due to the complexity of the piping arrangement, completion of water hammer analysis is now scheduled for late June. Piping stress analysis will then be completed approximately one month later, with final reanalysis by Grinnell to follow immediately thereafter.

Submitted by *[Signature]*

Approved by *[Signature]*

Concurrence by *[Signature]*

MP/cap  
5/3/6

BECHTEL ASSOCIATES PROFESSIONAL CORPORATIC

## Associates Professional Corporation

7700 Eisenhower Parkway  
Ann Arbor, Michigan

Ann Arbor, P.O. Box 1000, Ann Arbor, Michigan 48106

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

INTERIM REPORT #3

DATE: June 2, 1978

PROJECT: Consumers Power Company  
Midland Plant Units 1 & 2  
Bechtel Job 7220STATUS OF CORRECTIVE ACTION AND INVESTIGATION

No major developments, beyond those provided in Interim Report #2, are reported at the present time. Scheduled dates for water hammer and piping stress analysis are unchanged.

Inasmuch as the next corrective action and investigative milestone, completion of water hammer analysis, is scheduled for completion in late June, the next report will be provided by July 5, 1978.

Submitted by

Handwritten signature of O.R. Anderson in cursive script.

Approved by

Handwritten signature of J.H. [unclear] in cursive script.

Concurrence by

Handwritten signature of Karl Wiedner in cursive script.