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OFFICE OF THE SECRETARY



NUCLEAR REGULATORY COMMISSION

REGION III 799 ROOSEVELT ROAD GLEN ELLYN, ILLINOIS 60137

JUL 1 9 1978

Docket No. 50-329 Docket No. 50-330

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

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
NSIC
TIC
Ronald Callen, Michigan Public
Service Commission
Dr. Wayne E. North
Myron M. Cherry, Chicago

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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 references 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.

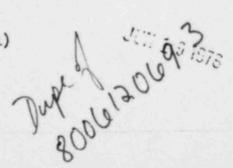
Another report, either interim or final, will be sent on or before September 1, 1978.

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:

- Grinnell will reanalyse anchors when provided with revised load sheets.
- Piping system reanalysis has been initiated. The intention 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.
- Procedural methods have been reviewed and will continue to be monitored.

Forecast Lata 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

Approved by

Concurrence by

BECHTEL ASSOCIATES PROFESSIONAL CORPO

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7. Let 1Er Nower Parkway
Ann Art 5", Michigan
Michigan P.O. Box 1000, Ann Arbor, Michigan 48106



SUBJECT: MCAF. 122 (Issued 3/21/78)

INTERIM REPORT #3

DATE: June 2, 1978

PROJECT: Consumers Power Company

Midland Plant Units 1 & 2

Bechtel Job 7220

STATUS 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

Approved by

Concurrence by