



**Consumers
Power
Company**

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COPY

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March 12, 1981

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

MIDLAND NUCLEAR PLANT -
UNITS 1 AND 2, DOCKET NOS 50-329, 50-330
NSSS ANALYSIS
FILE 0.4.9.44 UFI 73*10*01, 02000(S) SERIAL 11659



Reference CPCo Letter, Same Subject, James W Cook to J G Keppler,
Serial 10085, Dated December 18, 1980

This letter, as was the referenced letter, is an interim report of investigation and corrective actions associated with the reported anomalies in the NSSS seismic and LOCA analyses.

The referenced letter described the conditions found and stated the adequacy of the results of the NSSS seismic and LOCA analyses were indeterminate. The letter also stated that reportability of these concerns had not been confirmed. Also provided was key background information regarding the analyses and proposed modifications to the reactor pressure vessel (RPV) supporting system, which will require new seismic and LOCA analyses. Corrective action commitments were to:

1. Assure specific anomalies are adequately dispositioned.
2. Assure any required process corrective actions are in place to provide confidence in the new analysis.
3. Assure adequacy of intercompany interface controls.

The status of these corrective actions is as follows:

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Corrective Actions 1 & 2

- A. Bechtel - Actions to verify current and future input transmitted to B&W include compiling the input data to the B&W seismic and LOCA analyses into a single document. This document will include all current input data and input data utilization information. Upon receipt of the document, B&W will provide written confirmation that it is complete and sufficient for B&W analytical purposes. This single document is scheduled for completion by March 15, 1981.
- B. B&W - Actions taken to resolve the subject Midland anomalies and preclude their recurrence, include:
 - 1. Verification of adequacy of input data and incorporation of all new input data into ongoing analyses.
 - 2. Consolidation of all input data into an "Analytical Input Requirements Specification" to provide a central controlled source of input data.
 - 3. Implementation of a detailed checklist for the preparation and review of seismic analysis.
 - 4. Upgrading of computer programs used for seismic analysis, to display more information in the computer-produced response spectra.
 - 5. Initiation of a training program for personnel involved in seismic structural design and analysis.
- C. B&W has made an evaluation of possible generic implications of these anomalies and determined they are unique to the Midland Project.

Corrective Action 3

- A. A review of Bechtel's and B&W's procedural control of external design interfaces was made resulting in two action items for Bechtel:
 - 1. Replace an obsolete reference in an Engineering Department Procedure.
 - 2. Issue a new design responsibility matrix and distribute to appropriate personnel.

These activities are scheduled for completion March 31, 1981.

No actions were identified for B&W.

- B. A Midland Project Quality Assurance Department (MPQAD) investigation is planned to review the adequacy of Bechtel's engineering interfaces with other major contractors and consultants where there is a major analytical interface (ie, substantial two way transfer of technical data) on safety-related items. A schedule for this investigation will be issued by April 4, 1981.

Another report, either interim or final, will be sent on or before June 19, 1981.

J.W. Cook

J W Cook

JWC/WRB/re

CC Director of Office of Inspection & Enforcement
Att Mr Victor Stello, USNRC (15)

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

RJCook, USNRC Resident Inspector
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