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Power  
Company

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86-01 #1

Mr J G Keppler, Regional Administrator  
US Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

MIDLAND ENERGY CENTER PROJECT  
DOCKET NOS 50-329 AND 50-330  
BECHTEL POWER CORPORATION COMPUTER ANALYSIS PROGRAM ME101  
FILE: 0.4.9.114, B3.9 SERIAL: 32575

On January 21, 1986 Consumers Power Company (CPCo) verbally notified your staff of a potentially reportable condition concerning a computer analysis program. In accordance with the requirements of 10 CFR 50.55(e), CPCo is making this interim report.

Description of Concern

CPCo received written notification from Bechtel Power Corporation which identifies an error in a computer analysis program. The specific program identified is ME101, versions J4, J5, K1 and K2. Version J 4 was released on June 20, 1983, with the remaining versions being subsequent releases. Bechtel has indicated that the problem will be corrected and released as version K3. Program ME101 is used to perform static and dynamic load analysis of piping systems considering thermal expansion, dead weight, seismic effects, externally applied static loads, and externally or internally induced dynamic effects. The specific error identified in this program is that incorrect data results when ME101 is used to perform static analysis utilizing a uniform load for wind, jet impingement or suppression pool hydrodynamic loading conditions in conjunction with the optional EAL internal program solver.

At this time, it has been determined that the design analysis performed for the Midland Energy Center used the ME101 program. However, it has not been established whether the analysis performed included static analysis of uniformly applied wind or jet impingement loading conditions in conjunction with the EAL internal program solver, during the time frame when the code discrepancies existed.

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Safety Impact

The safety impact of this condition is indeterminate at this time.

Root Cause

The root cause has not yet been determined for this condition.

Corrective Action

Corrective actions will not be pursued and no further reports on this subject will be made unless the Midland Energy Center is reactivated. This item will be entered in our Correspondence and Commitment Management System for long-term tracking.

*James W. Cook*

JWC/MCB/kan

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