



**Consumers  
Power  
Company**

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Howe-271-79

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  
SMALL BREAK/REACTOR COOLANT PUMP OPERATION INTERACTION

Reference: S H Howell letter to J G Keppler; Midland Nuclear Plant;  
Unit No 1, Docket No 50-329; Unit No 2, Docket No 50-330;  
Small Break/Reactor Coolant Pump Operation Interaction;  
Serial Howe-221-79; dated August 15, 1979

In accordance with the requirements of 10 CFR 50.55(e), this letter constitutes a second interim report concerning a potentially unsafe situation with respect to the tripping of reactor coolant pumps during certain primary system high void fraction conditions. This situation was described in reference 1.

After careful study of the B&W analysis of this condition, and based upon their recommendation, CPCo has decided to incorporate a safety grade automatic reactor coolant pump trip system in the Midland design which will ensure 10 CFR 50 Appendix K criteria will be met during all postulated small break scenarios. On September 14, 1979, B&W was authorized to develop design criteria and trip logic, and Bechtel was instructed to proceed with design and procurement. The schedule for completion of this effort is under development.

Another report, either interim or final, will be submitted on or before February 8, 1980.

WRB/lr

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

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

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