



**Consumers
Power
Company**

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82-08 #1

July 2, 1982

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

MIDLAND PROJECT -
DOCKET NOS 50-329 AND 50-330
UPGRADE OF B&W NON-SEISMIC TRANSMITTERS MOUNTING BRACKETS
FILE: 0.4.9.64 SERIAL: 17538

This letter is an interim 10 CFR 50.55(e) report concerning the installation of B&W-supplied non-seismically qualified transmitter mounting brackets on seismic piping systems (specifically, reactor coolant pressure boundary piping). This concern was reported to Mr D Boyd, of your staff, in a telephone conversation on June 3, 1982.

The following describes the concern created by the use of transmitters with non-seismic brackets and the corrective actions being taken to resolve this concern.

Table 1 (attached) lists the subject B&W-supplied transmitters (26 transmitters/plant) and their functions. These transmitters form part of the reactor coolant system (RCS) pressure boundary through connections to various impulse lines. The Midland units have been designed to accommodate (through the make-up and purification system) single failures of RCS impulse line flow. Multiple failures have not been analyzed.

Because these transmitters and associated mounting brackets are not seismically qualified, multiple failures could be postulated during a seismic event. The various combinations of multiple failures could result in small break loss-of-coolant accidents (LOCAs) which have not been analyzed for the Midland units. In addition, failures of the non-seismic transmitters/brackets could have an adverse effect on the operation of any safety-related transmitter that uses the same piping.

The transmitters identified in Table 1 are required only to maintain RCS pressure boundary integrity and need not function before or after a seismic event. In order to resolve these safety concerns, CPCo has requested

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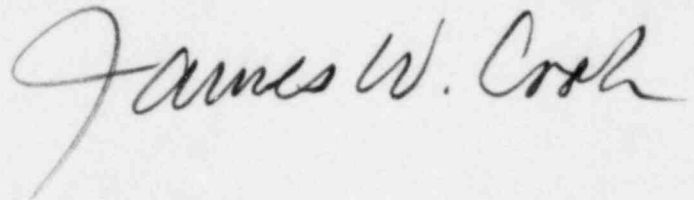
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B&W to prepare a field change which will upgrade the transmitters mounting brackets to be seismically qualified as follows:

1. replacing the non-seismically qualified mounting brackets with seismically qualified mounting brackets, and
2. demonstrating the structural integrity of the existing transmitters to withstand a seismic event.

No details or firm schedule for accomplishing this proposal has been determined. It is anticipated that further information regarding the corrective action will be available during August, 1982.

Another report, either interim or final, will be sent by August 31, 1982.



WRS/lr

Attachment: 1) Table 1, List of Transmitters of Concern

CC: Document Control Desk, NRC
Washington, DC 20555

RJCook, NRC Resident Inspector
Midland Nuclear Plant

CBechhoefer, ASLB Panel
RSDecker, ASLB Panel
FPCowan, ASLB Panel
JHarbour, ASLB Panel
AS&L Appeal Panel
MMCherry, Esq
MSinclair
BSTamiris
CRStephens, USNRC
WDPaton, Esq, USNRC
FJKelley, Esq, Attorney General
SHFreeman, Esq, Asst Att Gen
WHMarshall
GJMerritt, Esq, TNK&J
Great Lakes QA Managers

TABLE 1

<u>Type</u>	<u>Function</u>	<u>B&W Tag Number</u>	<u>Bechtel Tag Number</u>
N3BQ7	Letdown Flow	1MU-FT8 2MU-FT8	1FT-0308 2FT-0408
N3BQ7	Makeup Tank Level	1MU-LT25-1 1MU-LT25-2 2MU-LT25-1 2MU-LT25-2	1LT-0325A 1LT-0325B 2LT-0425A 2LT-0425B
N3BQ7	Makeup Filter Differential Pressure	1MU-PDT22 2MU-PDT22	1PDT-0322 2PDT-0422
N3BQ7	Demineralizer Prefilter Differential Pressure	1MU-PDT11 2MU-PDT11	1PDT-0315A 2PDT-0415A
N3BQ7	Steam Generator Full Range Level	1SP-LT9A5 1SP-LT9B5 2SP-LT9A5 2SP-LT9B5	1LT-3885A 1LT-3885B 2LT-3985A 2LT-3985B
N3BQ7	Steam Generator Startup Level	1SP-LT9A4 1SP-LT9B4 2SP-LT9A4 2SP-LT9B4	1LT-3881A2 1LT-3881B2 2LT-3981A2 2LT-3981B2
N3BQ8	RC Loop Flow	1RC-FT1A5 1RC-FT1A6 1RC-FT1B5 1RC-FT1B6 2RC-FT1A5 2RC-FT1A6 2RC-FT1B5 2RC-FT1B6	1FT-0101-A5 1FT-0101-A6 1FT-0101-B5 1FT-0101-B6 2FT-0201-A5 2FT-0201-A6 2FT-0201-B5 2FT-0201-B6
N3KS6	Makeup Pump Discharge Head	1MU-PT42 2MU-PT42	1PT-0342 2PT-0442
N3KS6	RC Pump Seal Inlet Head	1MU-PT47 2MU-PT47	1PT-0347 2PT-0447
N3KS6	Makeup Tank Pressure	1MU-PT26 2MU-PT26	1PT-0326 2PT-0426

<u>Type</u>	<u>Function</u>	<u>B&W Tag Number</u>	<u>Bechtel Tag Number</u>
N3KS6	RC Pressure (Narrow Range)	1RC-PT2-1	1PT-0102-1
		1RC-PT2-3	1PT-0102-3
		2RC-PT2-1	2PT-0202-1
		2RC-PT2-3	2PT-0202-3
N3KS6	RC Pump Seal Pressure	1RC-PT18A1-1	1PT-2366A1-1
		1RC-PT18A1-2	1PT-2366A1-2
		1RC-PT18A2-1	1PT-2366A2-1
		1RC-PT18A2-2	1PT-2366A2-2
		1RC-PT18B1-1	1PT-2366B1-1
		1RC-PT18B1-2	1PT-2366B1-2
		1RC-PT18B2-1	1PT-2366B2-1
		1RC-PT18B2-2	1PT-2366B2-2
		2RC-PT18A1-1	2PT-2466A1-1
		2RC-PT18A1-2	2PT-2466A1-2
		2RC-PT18A2-1	2PT-2466A2-1
		2RC-PT18A2-2	2PT-2466A2-2
		2RC-PT18B1-1	2PT-2466B1-1
		2RC-PT18B1-2	2PT-2466B1-2
		2RC-PT18B2-1	2PT-2466B2-1
		2RC-PT18B2-2	2PT-2466B2-2