PSNH PUBLIC SERVICE
Company of New Hampshire

SEABROOK STATION
Engineering Office:
1671 Worcester Road
Framingham, Massachusetts 01701
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May 19, 1982

SBN-277
T.F. Q 2.2.2

United States Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, PA 19406

Attention: Office of Inspection and Enforcement

References: (a) Construction Permits CPPR-135 and CPPR-136, Docket Nos. 50-443 and 50-444
(b) Telecon of 4/21/82 between J. Wiggins (NRC) and J. DeVincentis (YAEC)

Subject: 10 CFR 50.55(e) Reportable Item; Gould Supplied-Motor Control Starters

Dear Sir:

On April 21, 1982, we reported a deficiency associated with motor control starters supplied by Gould, Inc. [Reference (b)]. These motor control starters may experience binding or seizure of the contact carrier assembly (which would preclude motor start) if the space between the contact carrier post and support housing is less than 10 mils (0.010 inches). This deficiency applies to NEMA size 1 and 2 Gould unitized starters manufactured between May 11, 1981 and March 11, 1982. Gould had previously reported this deficiency to Region I on March 12, 1982, as a 10 CFR 21 item.

Gould unitized starters are utilized for safety and non-safety functions in the Seabrook design. The failure of a safety-related drive motor to start when required would prevent the driven equipment from performing its safety function. We have attached a listing of motor control center starters with possible binding contact carriers for Class 1E and non-Class 1E starters.

By the end of June, 1982, Gould will provide supervision for Seabrook's electrical contractor to check and modify (if required) each of the starters on the attached listing. Gould will supply retrofit kits to accomplish the required modifications. The check point will be between the contact carrier post and the support housing with a 10 mil (0.010 inch) feeler gauge. If the feeler gauge does not "bottom out" freely, the contact carrier will be replaced.

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Future recurrence of this problem will be prevented as follows:

- Contact carrier P/N 408417 will be manufactured to the correct dimensions.

- Contact carrier P/N 408415 will be manufactured with captive spacers.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY

John DeVincentis
Project Manager

JDV:dad

Attachment

CLASS 1E MCC STARTERS WITH POSSIBLE BINDING CONTACT CARRIER

TEM	MCC NO.	UE&C NODE NO.
1.	1-EDE-MCC-514	CR5, CR6, CR7, CT9, CR4, 2 EA. SIZE 1 SPARE & 1 EA SIZE 2 SPARE.
2.	1-EDE-MCC-614	CR0, CS1, CS2, CR9, 2 EA. SIZE 1 SPARE & 1 EA. SIZE 2 SPARE.
3.	2-EDE-MCC-614	CW5, CW4, CW2, 1 EA. SIZE 1 SPARE & 1 EA. SIZE 2 SPARE.
4	2-EDE-MCC-514	CV0, CW1, CY3, CV8, 2 EA. SIZE 1 SPARE & 1 EA. SIZE 2 SPARE.

NON 1E MCC STARTERS WITH POSSIBLE BINDING CONTACT CARRIER

TEM	MCC NO.	UE&C NODE NO.
1	1-ED-MCC-242	BU2, BU3, BU4, D80, D79, BU8, BJ6, B3F, B3E, BU6, D77, D76, B11, 3 EA. SIZE 1 SPARE & 3 EA. SIZE 2 SPARE.
2	1-ED-MCC-271	B1U, CU1, CU2, CZ4, DZ3, CT2, CU7, CU5, CT3, CS6, CS7, CS8, CS3, CS4, CS5, CS0, CT1, CS9, CU9, CU0, DZ4, CT6, CT4, CT5, CV5, CV6, CV7, 5 EA. SIZE 1 SPARE & 2 EA. SIZE 2 SPARE.
3	1-ED-MCC-123	BK6, BK9, BK0, BK7, BK8, & 1 EA. SIZE 1 SPARE.
4	1-ED-MCC-151	BG0, B3A, B97, BH5, BH1, BH4, BG6, B3B, BV2, BH7, BG5, BG8, BG4, BH3, BH2, D19, BV1, BV4, BV3, 2 EA. SIZE 1 SPARE & 3 EA. SIZE 2 SPARE.
5	1-ED-MCC-273	CW0, CY5, CZ7, CZ5, CX1, CX2, CX6, CY0, DT9, B1V, B1W, CX4, CX5, CY4, CX3, DX9, DX0, CX7, CX8, CW7, CW8, CW9, CX9, 5 EA SIZE 1 SPARE & 1 EA. SIZE 2 SPARE.
6	1-ED-MCC-241	BG1, BX9, BF8, BS2, BV8, BF9, B3G, BV6, BV5, BH8, BJ1, BG2, BS1, BZ0, BH9, BJ3, BS5, BH0, 7 EA. SIZE 1 SPARE & 2 EA SIZE 2 SPARE.
7	1-ED-MCC-152	BS7, BU5, BT4, BT3, BJ5, BT0, BT2, BT1, BS8, BS9, B67, D81, B05, D78, 3 EA. SIZE 1 SPARE & 1 EA. SIZE 2 SPARE.