Consumers Power Company

Stephen H. Howell
Senior Vice President

General Offices: 1945 West Parnall Road, Jackson, Michigan 49201 • (517) 788-0453

October 15, 1979
Howe-270-79

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
NEMA - SIZE 3 STARTERS, GOULD INC. PART 21

In accordance with the requirements of 10 CFR 50.55(e), this letter constitutes the final report on the status of equipment supplied to Midland for which Gould Inc made a 10 CFR Part 21 report. The attachment provides a description of the product defect and the supplier's recommended corrective action.

An investigation at the Midland site revealed that none of the subject starters had been installed in Class 1E systems. There are six spare starters which fall within the dates for which faulty units were manufactured and/or distributed. Two of these were dedicated for non-Q systems whereas the other four were not dedicated and could have been used in Q applications. An NCR has been written to cover these units, and they have had hold tags applied to prevent their usage. These units will be either modified by the manufacturer's retrofit kits or will be returned to the manufacturer for replacement.

WRB/lr

Attachment: Letter, W G Long (Gould Inc) to B W Marguglio (CPCo), "Advisory Notice of Potential Product Defect Pursuant to 10 CFR 21, Section 21.21 " dated September 17, 1979

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

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

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Gould Inc., Electrical Products Group
2002 Bethel Rd., Finksburg, MD 21048
Telephone (301) 876-2214

GOULD

Attachment to
Howe-270-79

September 17, 1979

Consumers Power Co.
1955 W. Parnall Rd.
Jackson, Mich. 49201

Attn: Mr. B. W. Marguglio, Dir. of QA

SUBJECT: Advisory Notice of Potential Product Defect
Pursuant to 10 CFR 21, Section 21.21

Notice has been transmitted to the NRC of a potential defect in NEMA Size 3 Starters and Contactors supplied and manufactured by Gould Inc., Distribution & Controls Division.

According to our records, shipments of these components may have been made to the following facility per your purchase order and on the date(s) indicated.

Midland – PO 7220–E–7–AC
Various Shipments in 1978 & 1979

The following are excerpts from the NRC report which are appropriate to the correction of the potential hazard.

1. Nature of the potential product hazard:
   Seizure or Binding of the carrier assembly, P/N 401179 within the support plate P/N 401178 of the stationary contact assembly. 1.392" Dimension is undersize to 1.376".

2. Nature of potential component failure or nonconformance associated with the potential or actual product hazard or defect:
   Failure of the contactor to operate could cause serious safety hazard by either failure to start motor or to turn off motor resulting in further complications in the particular system.

3. Specific dates when faulty units were manufactured and/or distributed.
   June 1, 1978 to 30 August 1979.

4. Model numbers and serial numbers of product or component.
   NEMA Size 3 of following classes with date code 7822 to 7935.
   A20, A21, A22 Starters, (Pages 39–43 of Gould's Controlfax Catalog)
   A10, A11, A12, A13, A14 Contactors, (Pages 15–18 of Controlfax Catalog)
   P10 DC Contactor, (Page 18A of Controlfax Catalog).

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5. Location on product where model number and serial number appear.

   Date Code is on Base Assembly adjacent to the overload relay. The NEMA type, Class, and Model number is on the cover label, plainly visible.

6. What corrective action has been, is being or will be taken by the manufacturer, the name of the individual or organization responsible for the action and how long it has or will take.

   1. New support plates P/N 401178 are being manufactured with a corrected die which corrects the defect.

   2. Parts with possible defects are being reworked by machining to remove excess material which could cause the problem. Inside dimension of support legs should be 1.392 to 1.400 inches, in new parts or after machining old parts. Work is underway to correct all in-house parts and prepare retrofit kits for field installation. Kits will be available on or about 21 Sept. 1979. Mr. Diamond Rose, Engineering Mgr., Control Components Operation, Westminster, Md., is responsible for corrective action and preparation of retrofit kits.

7. What tests are conducted in factories to avoid the defect and/or to comply with an applicable product specification:

   Inspection of parts to assure dimensional integrity then electrical operation test after retrofit.

Retrofit kits and installation details will be distributed by Gould through product application engineers or factory representatives upon determination of specific customer needs.

We regret the inconvenience caused by this problem and will do all possible to correct the problem as quickly as possible. If there is further information required, please contact the Gould Regional Sales Office, or call Mr. Jurgen H. Zerbock, Manager, Application Engineering (301) 876–2214.

William G. Long
Operation Manager

cc: R.P. Wathen
J.H. Zerbock
J.Erhardt
D. Rose
Regional Sales Offices
(J Fahlen 5105)
Bechtel, Mr. R. L. Castleberry, Project Engineer

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