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UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT
WASHINGTON, D.C. 20555

November 26, 1979

IE Circular No. 79-23

MOTOR STARTERS AND CONTACTORS FAILED TO OPERATE

Gould, Inc., Electrical Products Group, reported to the NRC on September 11, 1979 potential defects in certain NEMA size 3, Starters and Contactors. A possible binding or seizure of the carrier assembly, within the support plate of the stationary contact assembly, is caused by an undersized dimension of the support legs.

Starters and contactors with date code 7822 to 7935, model and serial numbers A10, A11, A12, A13, A14, A20, A21, A22, and P10 are involved. Faulty units were manufactured and distributed between June 1, 1978 and August 30, 1979. The attached listing of nuclear plants, which have received some of this motor control equipment, represents a preliminary check of shipment records. This listing, however, may not be complete.

Gould, Inc., will recall uninstalled items for retrofit and has retrofit kits available for field installation.

Based on the above, licensees are advised to verify all motor starter and contactor shipments received from Gould, Inc., between June 1, 1978 and August 30, 1979, and assure that applicable model and serial number components are corrected by retrofit and subsequent electrical operation tests.

No written response to this Circular is required.

If you desire additional information regarding this matter, contact the Director of the appropriate NRC Regional Office.

According to a preliminary check of Gould's shipment records, the following nuclear facilities have been shipped motor control equipment which could include one or more defective NEMA Size 3 starters or contactors:

<u>Facility</u>	<u>Owner/Contractor</u>	<u>Purchase Order</u>	<u>Date Shipped</u>
Farley Nuclear Plant, Unit 1 Operation 8-77	Alabama Power Bechtel	FNP1-3676	7-21-78
		FNP2-131	7-20-78
		FNP2-125B	4-24-79
Arkansas Nuclear Plt. One Unit 2 Operation 12-77	Arkansas Power & Light Bechtel	6600-E2011-AC Rev. 1B	12-18-78
Shearon Harris Nuclear Plt. Unit 1 Construction	Carolina Power and Light Ebasco	NY-435120	7-31-79
			8-20-79
			8-31-79
Zimmer Nuclear Station Unit 1 Construction	Cincinnati G & E	Z-50001	12-14-78
Midland Construction	Consumers Power Co. Bechtel	7220-E-7-AC	Various Ship- ments in 78 & 79
Fermi 2 Nuclear Station Construction	Detroit Edison Sargent & Lundy	1E-90235 Change Order 6	8-14-78
Beaver Valley Unit 2 Construction	Duquesne Light Co. Stone & Webster	2BV-310	Various Ship- ments in 78 & 79
Clinton Nuclear Station Units 1&2 Construction	Illinois Power Co. Baldwin Assoc.	Contract K-2976	8-24-78
Wolf Creek Unit 1 Construction	Kansas Gas & Electric Bechtel (SNUPPS)	10466-E-018-1	Various Ship- ments in 78 & 79
San Onofre Nuclear Gen. Sta 2/3 Construction	Limitorque	3A4777	12-26-78
Kuosheng Nuclear Pwr. Sta. Units 1&2 Construction	Taiwan Power Co. Bechtel	9713-E-0003A	1-8-79
Bellefonte Nuclear Plant Construction	T V A	76K5-86242	Various Ship- ments in 78 & 79
Watts Bar Units 1&2 Construction	T V A	74C5-84646	Various Ship- ments in 78 & 79

<u>Facility</u>	<u>Owner/Construction</u>	<u>Order</u>	<u>Shipped</u>
Callaway Unit 1 Construction	Union Electric Bechtel (SNUPPS)	10466-E-018-2	Various Ship- ments in 78 & 79
WPPSS Nuclear Project Unit 2 Construction	WPPSS Burns & Roe	Contract No. 49 C/D 7	Various Ship- ments in 78 & 79

LIST OF IE CIRCULARS ISSUED IN
THE LAST SIX MONTHS

Circular No.	Subject	Date of Issued	Issued to
79-23	Motor Starters and Contactors Failed to Operate	11/26/79	All Power Reactor Operating Facilities and Holders of Reactor Construction Permits
79-22	Stroke Times for Power Operated Relief Valves	11/16/79	All Power Reactor Operating Facilities and all Facilities Having a CP
79-21	Prevention of Unplanned Releases of Radioactivity	10/19/79	All Power Reactor Operating Facilities and all Facilities Having a CP
79-20	Failure of GTE Sylvania Relay, Type PM Bulletin 7305, Catalog 5U12-11-AC With A 120V AC Coil	9/24/79	All Power Reactor Operating Facilities and all Utilities Having a CP
79-19	Loose Locking Devices on Ingersoll-Rand Pumps	9/13/79	All Power Reactor Operating Facilities and all Utilities Having a CP
79-18	Proper Installation of Target Rock Safety-Relief Valves	9/10/79	All Power Reactor Licensees with a CP and/or OL
79-17	Contact Problem in SB-12 Switches on General Electric Company Metalclad Circuit Breakers	8/14/79	All Power Reactor Licensees with a CP and/or OL
79-16	Excessive Radiation Exposures To Members Of The General Public And A Radiographer	8/16/79	All Radiography Licensees
79-15 (Correc- tion)	Bursting of High Pressure Hose and Malfunction of Relief Valve "O" Ring in Certain Self-Contained Breathing Apparatus	8/22/79	All Research Reactors

LISTING OF IE CIRCULARS ISSUED IN
LAST SIX MONTHS

Circular No.	Subject	Date of Issue	Issued to
79-15	Bursting of High Pressure Hose and Malfunction of Relief Valve "O" Ring in Certain Self-Contained Breathing Apparatus	8/8/79	All Materials Priority I, Fuel Cycle and Operating Power Reactor Licensees
79-14	Unauthorized Procurement and Distribution of XE-133	7/13/79	All Medical Licensees Except Teletherapy Medical Licensees and to all Radiopharmaceutical Suppliers
79-13	Replacement of Diesel Fire Pump Starting Contactors	7/13/79	All Power Reactor Operating Facilities and all Utilities Having a CP
79-12	Potential Diesel Generator Turbocharger Problem	6/28/79	All Power Reactors Operating Facilities and all Utilities Having a CP
79-11	Design/Construction Interface Problem	6/27/79	All Applicants for, and Holders of Power Reactor CPs
79-10	Pipefittings Manufactured from Unacceptable Material	6/26/79	All Power Reactor Licensees with a CP and/or OL
79-09	Occurrences of Split or Punctured Regulator Diaphragms In Certain Self Contained Breathing Apparatus	6/22/79	All Materials Priority I, Fuel Cycle and Operating Reactor Licensees