

Cutler-Hammer
Products

Eaton Corporation
Industrial Control Division
Atlanta Plant
3001 McCall Drive
Doraville, Georgia 30340
(404) 451-2331

September 12, 1990

Director, Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Gentlemen:

The following information is provided pursuant to the requirements of 10CFR Part 21. The Morrison-Knudsen Company, Inc., Report No. 10CFR21-0054, notified the nuclear industry of a possible defect in Eaton Corporation/Cutler-Hammer A10 Series, NEMA size 1, 2 and 3 starters and overload relays. The identified problems were intermittent overload contacts and failure to reset. A copy of their report is attached.

The information gathering phase of analyzing the report was completed September 12, 1990.

Our analysis of the warranty claims from 1/1/88 to 7/31/90 for related problems indicates the following percentage of defects versus total production for the same period:

<u>Defect</u>	<u>Size 0&1</u>	<u>Size 2</u>	<u>Size 3</u>
Intermittent circuitry on overload contacts (code BW)	0.034%	0.04176%	0.13858%
0753 Failure to reset (code FS)	0.06054%	0.01624%	0.10127%
Failure to reset due to an internal bind in the reset mechanism (code SK)	0.08749%	0.09281%	0.33047%
Failure to reset due to dewetted thermal element (code AW)	0.06303%	0.05569%	0.2825%

Our company is not in a position to evaluate whether the above low levels of failure rate shown above would cause a substantial safety hazard within the meaning of 10CFR part 21 regulations, and will rely on the licensee's judgement concerning the need to take corrective action.

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CORRECTIVE ACTION

Our company, in it's quest for continuous improvement, has made design changes which will improve the above failure rates. The design improvements are in all size 1 and 2 starters and overload relays manufactured and date coded after the 20th week of 1989, and in all size 3 and 4 starters and overload relays manufactured and date coded after the 8th week of 1989.

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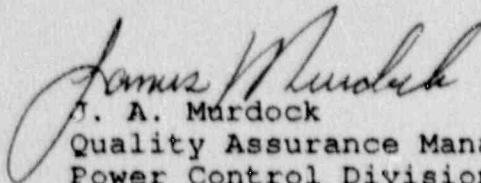
We have searched our records and are notifying by copy of this letter the licensees which have purchased motor control centers containing the subject components. Please refer to the carbon copy list.

Order parts from Eaton Corporation/Cutler-Hammer Products, 3001 McCall Drive, Doraville, Georgia 30340, Mr. Donald Lane (Telephone 404-451-2243).

If there are any questions, please call or write me at the address and telephone number listed above.

Sincerely,

EATON CORPORATION


J. A. Murdock
Quality Assurance Manager
Power Control Division

cc: R. Fritsch
J. Hastings
D. Lane
W. Statton
D. Wamsley
L. Young

Indiana Michigan Electric Company
2101 Spy Run Avenue
Fort Wayne, IN 46800
Attn: Project Manager
D.C.Cook, Units 1&2

Pacific Gas & Electric Company
320 Market Street
San Francisco, CA 94106
Attn: Project Manager
Diablo Canyon 1&2

Georgia Power Company
270 Peach Tree Street NW
Atlanta, GA 30303
Attn: Project Manager
Vogtle Project

Georgia Power Company
Post Office Box 4545
Atlanta, GA 30302
Attn: Manager
Engineering Liaison

Commonwealth Edison Company
One First National Plaza
P. O. Box 767
Chicago, IL 60690
Attn: Project Manager
Dresden Units 1, 2 & 3

Public Service Electric & Gas Company
P. O. Box 236
Hancocks Bridge, N.J. 08030
Attn: Nuclear Department
Manager - Procurement QA
Mail Code N-14
Hope Creek

Philadelphia Electric Company
211 South Broad Street
Philadelphia, PA 19105
Attn: Project Manager
Limerick

Consumer Power Company
212 West Michigan Avenue
Jackson, MI 49201
Attn: Project Manager
Palisades

Philadelphia Electric Company
211 South Broad Street
Philadelphia, PA 19105
Attn: Project Manager
Peachbottom, Units 2 & 3

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Cleveland Electric Illuminating
P. O. Box 97
10 Center Road
Perry, Ohio 44081
Attn: Project Manager
Perry Units 1 & 2

Pennsylvania Power & Light Company
901 Hamilton Street
Allentown, PA 18101
Attn: Project Manager
Susquehanna Project

Southern California Edison Company
P.O. Box 800
2244 Walnut Grove Avenue
Rosemead, CA 91770
Attn: Project Manager
San Onofre Units 2 & 3

Virginia Electric Power Company
7th and Franklin Street
Richmond, VA 23219
Attn: Project Manager
Surry 1 & 2

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MORRISON-KNUDSEN COMPANY, INC.
MANUFACTURING GROUP
POWER SYSTEMS DIVISION

POST OFFICE BOX 1928
ROCKY MOUNT, NORTH CAROLINA 27829-1928
PHONE: (919) 877-2720 / TWX: (510) 829-5725
FAX: (919) 440-3630



May 21, 1990

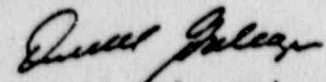
TO: All Nuclear Customers
SUBJECT: Report No. 10CFR21-0054
REFERENCE: Immersion Heater Contactor
Cutler-Hammer A10 Series, NEMA Size 1, 2, and 3
EMD #8455508

Dear Sir:

The attached report addresses a possible defect with the immersion heater contactor. Please review the report and check the contactor date code as specified. An acknowledgement card is attached.

Yours very truly,

MORRISON-KNUDSEN COMPANY, INC.
POWER SYSTEMS DIVISION


Donald Galeazzi
Engineering Manager

DG:jb

Enclosures