

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. Mr. D. Gaffney of Cleveland Electric Illuminating Company, Perry Nuclear Power Plant brought to our attention a problem of nuisance tripping of the H1112 heater coils used in our C300 overload relays.

The information gathering phase and redesign was completed September 12, 1990.

Our company is not in a position to evaluate whether the above problem 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.

PROBLEM ANALYSIS

A recheck of design of the H1100 series of heater coils determined the following anomalies:

<u>HEATER COIL</u>	<u>PERFORMANCE</u>	<u>RESULT</u>
H1112	Rated very low and out of tolerance.	Severe nuisance tripping
H1113	Rated low, but within tolerance.	Occasional nuisance tripping is possible.
H1114	Rated low, but further within tolerance.	Nuisance tripping not likely.

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CORRECTIVE ACTION

The H1112, H1113, and H1114 heater coils have been redesigned to recenter the design to the midpoint of the tolerance. The redesigned heater coils are in production beginning with September of 1990.

We recommend that the utilities replace the old design of H1112 with the redesigned heater coils. The old design and the new design can be identified by measuring the resistance. The ohmic values are:

<u>HEATER COIL</u>	<u>OLD DESIGN +/-7.5%</u>	<u>NEW DESIGN +/-7.5%</u>
H1112	9.60	7.10
H1113	6.52	5.76
H1114	5.83	4.61

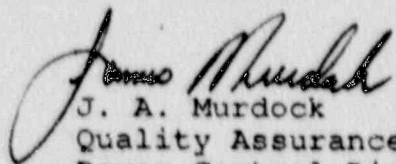
We have searched our records and are notifying by copy of this letter the licensees which have purchased motor control centers which may contain the subject components. Please refer to the carbon copy list.

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
R. White
L. Young

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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 275
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

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

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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