

APR 29 1983

MEMORANDUM FOR: R. L. Baer, Chief, Engineering and Generic Communications  
Branch, Division of Emergency Preparedness and Engineering  
Response, IE

FROM: Uldis Potapovs, Chief, Vendor Program Branch, Division of  
Vendor and Technical Programs, Region IV

SUBJECT: AGASTAT GPDC-740 RELAY DEFECTS ON COOPER-BESSEMER DIESEL  
GENERATORS AT SUSQUEHANNA 1 AND 2 AND WATERFORD 3

REFERENCE: Your Memorandum dated February 4, 1982

During a vendor inspection at En-Tronic Controls (Cooper Energy Services), it was determined that the subject relay had not been exposed to the radiation environment specified on Procurement Drawing No. 2-04E-178. This condition is not limited to the GPDC-740, but includes GPDNC-740, GPB, GPD, GPDN, GPI, GPIN, GPDR, GPDNR, GPDQR, and GPDR. The drawing also identifies these as Cooper-Bessemer Part Nos. 2-04E-178-001 through 2-04E-178-011. Incidentally, Part Nos. 2-04E-178-001 and -002 have been superseded by other part numbers. Currently, Wyle Laboratories is conducting a qualification program that includes a 2-04E-178-011; the results will be applied to the other relays which have been identified. Results of the inspection are detailed in the attached Vendor Inspection Report No. 99900373/83-01. Followup of the deficient areas will be accomplished during the routine inspection effort.

In addition to your request, an inspection was conducted at the Control Products Division of the Amerace Corporation. Steps had been identified to correct the deficiency of moveable contacts binding against the web in the relay base. Documents were available to indicate receipt of deficient relays and return of reworked relays. The records revealed that these relays were also used at the Peach Bottom Nuclear Generating Station, Units 1, 2, and 3. Records to substantiate adjustment, test, operation, and inspection were nonexistent. The NRC inspector was informed that the relays were commercial grade and documentation was not initiated or required; consequently, the adequacy of the corrective action is indeterminate. Results of the inspection are detailed in the attached Vendor Inspection Report No. 99900296/82-01. Followup of the deficient areas will be accomplished during the routine inspection effort.

RIV

CI:R&CPS

WE Foster/jkh

3/27/83

SC:R&CPS

IBarnes

3/30/83

BC:VPB

UPotapovs

4/8/83

D:DV&TP

RLBart

04/11/83

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PDR QA999 EMVENTRC  
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Memo to R. L. Baer

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We are primarily concerned about the use of commercial grade relays in safety class equipment by other fabricators/manufacturers of electrical/electronic instrumentation and control systems. Therefore, we request that IE contact Amerace Corporation to determine the likely customers of commercial grade relays for use in Class 1E application. Based upon the results of that effort, notification to customers to determine if these devices are used in a manner that could create a substantial safety hazard.

"Original Signed by  
U. POTAPOVS"

Uldis Potapovs, Chief  
Vendor Program Branch

cc:

R. F. Heishman, IE  
R. W. Starostecki; RI  
J. T. Collins  
R. L. Bangart  
J. E. Gagliardo

bcc:

WEFoster  
VPB 7010 File  
VPB 3060 File