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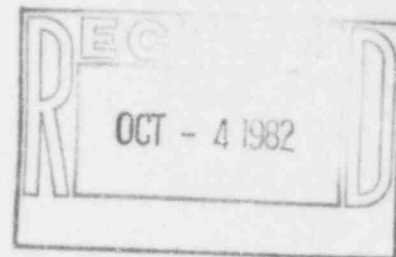


Nebraska Public Power District

GENERAL OFFICE
P.O. BOX 499, COLUMBUS, NEBRASKA 68601-0499
TELEPHONE (402) 564-8561

LQA8200189

September 28, 1982



Mr. John T. Collins
Regional Administrator
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive
Suite 1000
Arlington, Texas 76011

Dear Mr. Collins:

During a NRC inspection of the NPPD Quality Assurance Program, September 8-10, 1982, a situation was identified at Cooper regarding the up-grading of original equipment Agastat Relays. . . . Closed for your review are the preliminary results of the investigation and subsequent evaluation conducted on the use of commercial grade Agastat Relays in safety-related locations. Our review showed that approximately 111 of the relays were installed as original equipment and/or nuclear grade, or were in non-safety-related locations. These relays, as well as those properly replaced with Agastat-Nuclear Grade relays, were not evaluated further. The remaining 26 relays installed in safety-related systems will require engineering evaluation (see attachments) to assure that continued operation will not jeopardize the health and safety of the public. When this evaluation is completed, you will be advised on the results.

Should you require further information, please do not hesitate to contact me.

Sincerely,

Fred E. Williams
Quality Assurance Manager

/cmk

Enclosures

cc: J. M. Pilant

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NEBRASKA PUBLIC POWER DISTRICT

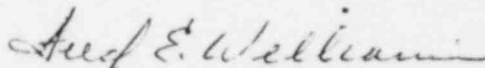
Date September 28, 1982
To L. C. Lessor - Cooper Nuclear Station
From F. E. Williams - Columbus G.O.
Subject Agastat Relays

**FOR INTER-DISTRICT
BUSINESS ONLY**

A recent NRC inspection has identified a situation at Cooper where the up-grading of original equipment Agastat Relays in 1978 by the manufacturer (Amerace) was not discovered by NPPD until January 1982. This leaves us with about a 3-year period during which we could have up-graded to the "nuclear-certified" relay. Since January 1982 we have been correctly ordering the "nuclear-certified" relay.

It has, therefore, been determined, through a review of the plant computer data file, that there are installed about 26 relays that are not "nuclear-certified" or original equipment. These 26 are listed in an attachment along with other pertinent information regarding their manufacture and intended use. It will be necessary to document an engineering evaluation of each of these relays which shows that they are, or are equal to, original equipment or in some other manner acceptable for continued Essential use. Accordingly, it is requested that you have your engineering staff perform this evaluation.

Your assistance is appreciated. If you should have any questions or comments, please let me know.



Fred E. Williams
Quality Assurance Manager

FEW:JSL:cmk

Attachment

cc: R. S. Kamber w/o attach.
R. E. Buntain w/o attach.
J. M. Pilant w/o attach.
P. J. Borer w/o attach.
V. L. Wolstenholm w/o attach.



Nebraska Public Power District

GENERAL OFFICE
P.O. BOX 499, COLUMBUS, NEBRASKA 68601-0499
TELEPHONE (402) 564-8561

September 20, 1982

Amerace Corporation: Control Products Division
1000 Hickory Street
Grafton, Wisconsin 53024

Attention: Mr. Ed Leszczak
Product Engineer

Dear Mr. Leszczak:

Thank you for the assistance and information you provided us last week concerning Agastat Relays. As I explained then, several of the commercial-grade version of these relays may have been inadvertently installed in safety-related locations at NPPD's Cooper Nuclear Station. This was due to a misunderstanding on our part as to the procedures involved in ordering your nuclear-certified relay. Our ordering methods have since been amended.

In the meantime, however, we have 139 Agastat Relays installed at Cooper, each of which we must examine and analyze to determine its acceptability for continued use in a safety-related location, if applicable. To this end, and per our discussion of last Friday, I have included with this letter a listing of the Agastat Relays installed at Cooper along with their model numbers. Some are the proper relay (indicated by an "E" preface on the model number), some are installed in non-safety-related locations, these we can ignore and I have red-lined them out. For the others (highlighted), would you please provide us with information relative to the design and fabrication differences between these and the nuclear-certified relay? Your assistance will be greatly appreciated.

If you should have any questions regarding this request, please do not hesitate to call me at (402) 563-5598 or Rich Gibson, CNS QA Specialist, at (402) 825-3811.

Sincerely,

John S. Larson
Quality Assurance Engineer

/cmk

Enclosure

cc: F. E. Williams
V. L. Wolstenholm
R. L. Gibson
L. C. Lessor w/encl.
P. J. Borer w/encl.
L. I. Lawrence w/encl.

January 5, 1982

Lee Lawrence - Cooper Nuclear Station

Columbus General Office

Agastat Relays

As part of our recent requalification activities on the Amerace Corporation: Control Products Division (manufacturer of Agastat Relays), it was determined that our present method of ordering is not adequate for assuring that the necessary quality requirements are applied to the manufacture of essential and essential-commercial grade relays. By utilizing the CASE system, quality auditors from Niagara Mohawk Power Corporation advised me that their audit of Amerace's Grafton, Wisconsin, plant found that two distinctly different Agastat Relays are built: 1) commercial-grade; and 2) nuclear-grade. The nuclear-grade relays complied with the requirements of 10CFR50, Appendix B, including traceability, inspection, etc. The commercial-grade units, however, could not be upgraded, as built, as they had no such program.

Further, the Niagara Mohawk people said that their understanding was that the nuclear-grade relay was available only as a direct order from Amerace in Grafton (or their factory representatives - see below). Only the commercial-grade relay is available through distributors such as Interstate Electric, our past supplier of these relays. This arrangement was later confirmed by speaking with the factory representatives themselves.

Accordingly, then, our future essential and essential-commercial grade purchase orders for Agastat Relays should be sent to the local factory representatives:

Jerry L. Shumway and Associates
1128 Army Post Road
P.O. Box F
Des Moines, Iowa 50315

Attention: Doug Aamoth
Telephone: (515) 285-0704

Mr. Aamoth advised me that the nuclear-grade relays are built as the order is received and that there is a six- to eight-week lead time. Also, the price is significantly higher. A shorter lead time of two weeks can apparently be requested for a 2% premium.

Mr. Aamoth will be sending me additional information on the line of nuclear-grade components available from Amerace Corporation: Control Products Division, factory direct. This, when received, will be forwarded. If you have any questions or I can be of further assistance, please let me know.

John S. Larson
Quality Assurance Engineer

JSL:emz5/4

cc: F. E. Williams
P. J. Borer
V. L. Wolstenholm