



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
799 ROOSEVELT ROAD  
GLEN ELLYN, ILLINOIS 60137

PDR

JUL 13 1979

Pre-CPP

The Ohio Edison Company  
ATTN: Mr. Charlie Ziants  
Chief Nuclear QA Engineer  
76 South Main Street  
Akron, OH 44308

Gentlemen:

The enclosed IE Circular No. 79-13, is forwarded to you for information. No written response is required. Should you have any questions related to your understanding of this matter, please contact this office.

Sincerely,

A handwritten signature in cursive script, appearing to read "R. A. Spessard".

James G. Keppler *for*  
Director

Enclosure: IE Circular  
No. 79-13

cc w/encl:  
Central Files  
Director, NRR/DPM  
Director, NRR/DOR  
PDR  
Local PDR  
NSIC  
TIC  
Harold W. Kohn, Power  
Siting Commission

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U.S. NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT

REGION III

July 13, 1979

IE Circular No. 79-13

REPLACEMENT OF DIESEL FIRE PUMP STARTING CONTACTORS

Description of Circumstances:

On May 28, 1978, the Diesel Fire Pump failed to start remotely at Davis-Besse, Unit 1 facility operated by Toledo Edison Company. The cause for failure was defective starting contactors. A subsequent investigation into the cause of a similar failure on January 18, 1978, at Commonwealth Edison Company's Dresden 2/3 Diesel Fire Pump identified a generic problem with Cummins Industrial Fire Pump Engines.

Discussion:

The investigation revealed that Cummins Engine Company issued a Service/Parts Topics No. 74T 13-3A announcing new components available for Industrial Fire Pumps (NH-220-1F, N-855-F, N-855-F1, NT-855-F2 series engines) to improve operation of inline 6 cylinder Industrial Fire Pump Engines. In this topic, Cummins recommends that when replacing the 118848 magnetic switch and 199573 DC relay contactor, use the new 217588 magnetic switch. The new design component has a 6 ampere draw whereas the old combination has approximately 3 amperes draw. Davis Besse and Dresden sites have implemented the corrective action recommended by Cummins.

Recommended Actions for Licensees' Consideration:

All holders of operating licenses or construction permits should be aware of the potential problem of the type discussed above. Because of the generic implications in this matter, it is recommended that both licensees of operating facilities and holders of construction permits conduct a review to determine if the above diesel fire pump engines are in use or planned for use at your facility(ies). If these engines are in use or planned for use, determine if the Cummins type 118848 Magnetic Switch and 199573 DC relay contactors are also employed. For those engines which have these components, develop a program for their replacement with the new 217588 Magnetic Switch.

No written response to this Circular is required. If you require additional information regarding these matters, contact the Director of the appropriate NRC Regional Office.

Enclosures:

1. Cummins Service/Parts Topics No. 74 T 13-13A.
2. List of IE Circulars Issued in the Last Twelve Months.

DUPLICATE DOCUMENT

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