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 FACIL: 50-305 Kewaunee Nuclear Power Plant, Wisconsin Public Service 05000305  
 AUTH. NAME: SCHIPITZ, S. M. AUTHOR AFFILIATION: Western Engine Co.  
 RECIP. NAME: RECIPIENT AFFILIATION: NRC - No Detailed Affiliation Given

SUBJECT: Forwards 870825 ltr re manufacturing problem w/main &  
 connecting rod bearings associated w/EMD 645 diesel engine.  
 Facilities notified of problem as of 870901.

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September 4, 1987

Director, Office of Inspection  
and Enforcement  
United States Nuclear  
Regulatory Commission  
Washington, D.C. 20555

Dear Gentlemen:

This is to notify you that we have been advised by Electro-Motive Division of General Motors Corporation of a manufacturing problem with main and connecting rod bearings associated with the EMD 645 diesel engine.

Please review the attached correspondence letter dated August 28, 1987 that we received for further details regarding this matter.

We have already sent out, as of September 1, 1987, notification to all the nuclear facilities that we are affiliated with advising them of this situation.

Our records indicate that we shipped on July 13, 1987 a set of upper and lower main bearings to:

Wisconsin Public Service Corporation  
Kewaunee Nuclear Plant  
Route 1, Box 48  
Kewaunee, Wisconsin 54216

It has been determined that these bearings were received from Electro-Motive Division on March 9, 1987, placing them within the specified category. We are awaiting reply from the nuclear facility to determine further, if in fact, they are of the same manufacture.

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United States Nuclear  
Regulatory Commission  
September 4, 1987  
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We will be further awaiting the reply from all the nuclear facilities we notified, so we can arrange for the replacement of all bearings that fall into this category.

If you have any questions or require any additional information, please contact me direct at (312) 773-5662.

Sincerely,



SCOTT M. SCHIPITZ  
Manager, Quality Assurance

/mp  
Enclosures

cc: USNRC Administrator  
Regional Office  
799 Roosevelt Road  
Glen Ellyn, IL 60137



August 28, 1987

SUBJECT: Main and Connecting Rod Bearings  
645 Engines in Nuclear Service

EMD has identified a manufacturing problem with main and connecting rod bearings manufactured by one of our bearing suppliers. Even though no bearing failures have occurred in any application of 645 engines, we feel it prudent to take the following precautionary measures to assure the utmost reliability of those EMD engines in emergency nuclear standby service.

Customers should return any main bearings or upper connecting rod bearings manufactured by Clevite which were received from EMD during the time interval noted below. Clevite bearings can be identified by a "CL", "IC" or "Clevite" stamped on the side of the bearing.

Main Bearings (upper & lower)	-June, 1986 to April, 1987
Connecting Rod Bearings (upper only)	-January, 1986 to April, 1987

Bearings manufactured by Clevite prior to or after the dates above are acceptable and are not to be returned. All bearings manufactured by Allison Division, regardless of vintage, are acceptable. Allison Division bearings are identified with an "AD" stamping along the edge. There is no part number differentiation between Clevite and Allison bearings.

Any Clevite bearings installed in an engine in emergency nuclear standby service, which are known to fall within the above classification, should be replaced. If the identity of any bearing installed in an engine is unknown, but potentially fits the above classification, the respective bearing assembly should be partially disassembled to permit positive identification of the bearing and appropriate action taken relative to removal.

ELECTRO-MOTIVE  
Division of General Motors Corporation

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August 28, 1987

Finally, I would like to emphasize that this notification is a precautionary measure applicable only to 645 engines in nuclear emergency standby service.

If you have further questions, please call me at (312) 387-5884.

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AUG 29 1987