

March 4, 2003

MEMORANDUM TO: A. Louise Lund, Chief  
Steam Generator Integrity & Chemical Engineering Section  
Materials and Chemical Engineering Branch  
Division of Engineering

FROM: Krzysztof Parczewski, Senior Chemical Engineer **/RA/**  
Steam Generator Integrity & Chemical Engineering Section  
Materials and Chemical Engineering Branch  
Division of Engineering

SUBJECT: RESPONSE TO THE REQUEST FOR INFORMATION ON  
LUBRICATING OILS USED IN NUCLEAR PLANTS  
(YELLOW TICKET: 020030039)

The NRC received a request for information on lubricating oils used in the emergency diesel generators (EDG) in nuclear plants. After a search the NRC staff found that nuclear plants use variety of lubricating oils, depending on what type of fuel oil is being used in the EDG. The NRC does not routinely collect information on the EDG lubricating oils. One piece of information currently available to the staff concerns a plant using low sulfur fuel oil. This plant uses API CG-4 grade mineral-based lubricating oil. The oil does not contain chlorides. This information was transmitted to the requestor by letter (attached).

Attachment: Letter to M. Bartoszewicz

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Attachment: Letter to M. Bartoszewicz

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| DATE   | 03 /03/03   | 03/03 /03 |         |  |

OFFICIAL RECORD COPY

March 4, 2003

Mark Bartoszewicz  
Stewart & Stevenson  
8631 East Freeway  
Houston, TX 77029

Dear Mr. Bartoszewicz:

In response to your inquiry about the lubricating oils in nuclear plants, we would like to inform you that lubricating oil has to be compatible with the fuel oil used in the emergency diesel generator. Therefore, different nuclear plants may be using different lubricating oils. The NRC does not collect information on lubricating oils in nuclear plants. We cannot, therefore, provide you an answer to your inquiry. However, we know that one of the nuclear plants with low sulfur fuel oil uses API CG-4 grade, mineral-based lubricating oil. This oil does not contain chlorides.

Sincerely,

**/RA/**

Krzysztof Parczewski  
Chemical Engineer  
Steam Generator Integrity & Chemical Engineering Section