



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

August 31, 2009

Mr. Joseph N. Jensen  
Senior Vice President and  
Chief Nuclear Officer  
Indiana Michigan Power Company  
Nuclear Generation Group  
One Cook Place  
Bridgman, MI 49106

SUBJECT: DONALD C. COOK NUCLEAR PLANT, UNITS 1 AND 2 – MODIFICATION OF A  
REQUEST FOR ADDITIONAL INFORMATION (RAI) ASSOCIATED WITH  
SUPPLEMENTAL RESPONSES TO GENERIC LETTER (GL) 2004-02  
(TAC NOS. MC4679 AND MC4680)

Dear Mr. Jensen:

On August 26, 2009, a public meeting via conference call (Agencywide Documents Access and Management System (ADAMS) Accession No. ML092250002) was held between staff of the U.S. Nuclear Regulatory Commission (NRC) and the Donald C. Cook Nuclear Plant. The meeting was held to discuss RAIs previously transmitted in a June 18, 2009, letter (ADAMS Accession No. ML091490421) associated with your staff's supplemental responses to GL 2004-02, "Potential Impact of Debris Blockage on Emergency Recirculation During Design Basis Accidents at Pressurized Water Reactors."

During the meeting, it was determined that RAI Question 21 required modification to provide additional clarification. The NRC staff modified the RAI as follows:

Please provide justification that the flow rate assumed at the main strainer during chemical effects testing was bounding with respect to the condition that could occur in the plant. Because of the amount of debris assumed at the main strainer, the corresponding flow assumed during testing may have been lower than could occur in the plant. A lower flow rate can affect the head loss value attained during testing and thus affect the bump up factor determined by the chemical effects head loss test.

Mr. Joe Waters and Mr. Paul Leonard of your staff stated that they understood the intent of the proposed RAI and agreed that it could be formally issued.

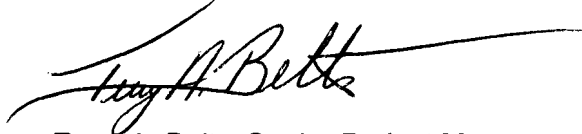
Please respond to this RAI as part of your response to the RAIs in the June 18, 2009, letter.

J. Jensen

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Feel free to contact me at (301) 415-3049 if you need further clarification or have any comments.

Sincerely,

A handwritten signature in black ink, reading "Terry A. Beltz". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Terry A. Beltz, Senior Project Manager  
Plant Licensing Branch III-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-315 and 50-316

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J. Jensen

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Feel free to contact me at (301) 415-3049 if you need further clarification or have any comments.

Sincerely,

**/RA/**

Terry A. Beltz, Senior Project Manager  
Plant Licensing Branch III-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-315 and 50-316

cc: Distribution via Listserv

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