

September 28, 2006

Ms. Andrea Sterdis, Manager  
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Nuclear Power Plants  
P.O. Box 355  
Pittsburgh, PA 15230-0355

SUBJECT: WESTINGHOUSE AP1000 COMBINED LICENSE (COL) PRE-APPLICATION  
TECHNICAL REPORT 32 - REQUEST FOR ADDITIONAL INFORMATION  
(TAC NO. MD1432)

Dear Ms. Sterdis:

By letter dated April 5, 2006 (DCP/NRC1729), you submitted AP1000 Technical Report 32, "Zinc Addition," which described the addition of a zinc addition system to the AP1000 design. In response to requests for additional information (RAI), you submitted letter dated September 8, 2006 (DCP/NRC1772). The U.S. Nuclear Regulatory Commission staff has reviewed the report, and your RAI responses and has determined that additional information is required. Our question is provided in the Enclosure. We discussed these issues with your staff on September 27, 2006. Your staff indicated that you would attempt to provide your response by November 3, 2006.

Please contact me at (301) 415-1313, if you have any other questions on these issues.

Sincerely,

**/RA/**

Steven D. Bloom, Senior Project Manager  
AP1000/EPR Projects Branch  
Division of New Reactor Licensing  
Office of Nuclear Reactor Regulation

Project No. 740

Enclosure: Request for Additional Information

cc w/encl: See next page

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REQUEST FOR ADDITIONAL INFORMATION

WESTINGHOUSE AP1000 DOCUMENT NO. APP-GW-GLN-002, Rev 0

TECHNICAL REPORT 32 - ZINC ADDITION

PROJECT NUMBER 740

TR32-7

The response to Request for Additional Information Number TR-32-006, states that there are no plant data that suggest that the deposits impact heat transfer. The statement seems counter-intuitive regarding heat transfer and the effect on the surface heat transfer coefficient. Please provide the measurements that justify the statement and demonstrate that the core thermal limits are still valid.

Enclosure

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