

June 11, 2015

Mr. James A. Gresham, Manager  
Regulatory Compliance and Plant Licensing  
Westinghouse Electric Company  
1000 Westinghouse Drive  
Cranberry Township, PA 16066

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (RAI) RE: WESTINGHOUSE ELECTRIC COMPANY TOPICAL REPORT WCAP-17721-P, REVISION 0, AND WCAP-17721-NP, REVISION 0, "WESTINGHOUSE CONTAINMENT ANALYSIS METHODOLOGY - PWR [PRESSURIZED WATER REACTOR] LOCA [LOSS-OF-COOLANT ACCIDENT] MASS AND ENERGY RELEASE CALCULATION METHODOLOGY" – FOLLOW UP RAI (TAC NO. MF1797)

Dear Mr. Gresham:

By letter dated May 3, 2013 (Agencywide Documents Access and Management System Accession No. ML13133A066), Westinghouse Electric Company (Westinghouse) submitted for U.S. Nuclear Regulatory Commission (NRC) staff review Topical Report WCAP-17721-P, Revision 0, and WCAP-17721-NP, Revision 0, "Westinghouse Containment Analysis Methodology - PWR LOCA Mass and Energy Release Calculation Methodology." Upon review of the information provided, the NRC staff has determined that additional information is needed to complete the review. The enclosed is the follow up RAI question on WCAP-17721-P, Revision 0, and WCAP-17721-NP, Revision 0. The RAI response should be provided to the NRC staff within 30 business days from the issuance date of this letter.

If you have any questions regarding the enclosed RAI question, please contact me at 301-415-3151.

Sincerely,

***/Jonathan Rowley for RA/***

Ekaterina Lenning, Project Manager  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Project No. 700

Enclosure:  
RAI Question

Mr. James A. Gresham, Manager  
Regulatory Compliance and Plant Licensing  
Westinghouse Electric Company  
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Cranberry Township, PA 16066

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**U. S. NUCLEAR REGULATORY COMMISSION (NRC)**  
**REQUEST FOR ADDITIONAL INFORMATION (RAI) REGARDING THE REVIEW OF**  
**THE WESTINGHOUSE ELECTRIC COMPANY TOPICAL REPORT WCAP-17721-P,**  
**REVISION 0, AND WCAP-17721-NP, REVISION 0, “WESTINGHOUSE**  
**CONTAINMENT ANALYSIS METHODOLOGY – PWR [PRESSURIZED WATER**  
**REACTOR] LOCA [LOSS-OF-COOLANT ACCIDENT] MASS AND ENERGY (M&E)**  
**RELEASE CALCULATION METHODOLOGY” – FOLLOW UP RAI**

The NRC staff is aware of Westinghouse Electric Company's InfoGram IG-14-1 which discusses material properties for LOCA M&E release analyses. However, the InfoGram does not explicitly discuss the material properties used in WCOBRA/TRAC. Are the volumetric heat capacities being in the WCOBRA/TRAC M&E analysis lower than those given in the American Society of Mechanical Engineers Boiler and Pressure Vessel Code apply to WCOBRA/TRAC? If so, provide appropriate justification for the use of lower volumetric heat capacities.

ENCLOSURE