REQUEST FOR ADDITIONAL INFORMATION

BY THE OFFICE OF NUCLEAR REACTOR REGULATION FOR

WCAP-16747-P

"POLCA-T: SYSTEM ANALYSIS CODE WITH THREE-DIMENSIONAL

CORE MODEL"

WESTINGHOUSE ELECTRIC COMPANY

PROJECT NO. 700

Please address all open items listed in the summary of the POLCA-T audit conducted between March 17, 2008 and March 20, 2008.

For convenience the list of open items is reproduced below.

1. Open item regarding RAI 3-5. Westinghouse will provide qualification data for the heat transfer correlations as a supplemental response.

2. Open item regarding RAI 4-8. Westinghouse will provide an integrated response regarding time step, node size, and time integration technique requirements for stability analysis in their response to RAI 6-26.

3. Open item regarding RAI 5-1. Westinghouse will provide qualification data for the transient application of the void-quality correlation as a supplemental response.

4. Open item regarding RAI 6-5. Westinghouse will provide a supplemental response clarifying the determination of the measurement uncertainty.

5. Open item regarding RAI 6-16. Westinghouse will provide a supplemental response specifying an acceptance criterion that includes a margin of **[**

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6. Open item regarding calculation of the fuel enthalpy for control rod drop accident analysis. Westinghouse will provide an update to the topical report with corrected numerical results.

7. Open item regarding stability analysis. Westinghouse will provide an update to the topical report with corrected numerical results, and address the methodology.

8. Open item regarding clad oxide thickness. Westinghouse will provide additional information regarding the means by which the oxide thickness is determined and input to POLCA-T.

ENCLOSURE 3

9. Open Item regarding the evaluation of **[ ]** on transient analyses performed with RAMONA or BISON. Westinghouse will provide the documentation of this evaluation. This is a generic item but does not affect POLCA-T.