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Your ref: Docket No. 99900404  
Our ref: DCP\_NRC\_003264

March 28, 2014

**Subject: Update to DCP\_NRC\_003251 - Reply to Notice of Nonconformance Cited in NRC Inspection Report No.: 99900404/2013-203 dated June 14, 2013**

**Ref 1:** Westinghouse Correspondence DCP\_NRC\_003251, Rev. 0, "Reply to notice of nonconformance cited in NRC inspection report no.: 99900404/2013-203 dated June 14, 2013," July 15, 2013.

Westinghouse letter DCP\_NRC\_003251 [1], provides responses to the NRC notice of nonconformance (NoN) outlined in NRC inspection report number 99900404/2013-203 dated June 14, 2013. Within [1], it is stated that Westinghouse expects the corrective actions would be completed by March 31, 2014. The purpose of this correspondence is to provide an update on these actions:

- NoN 99900404/2013-203-01 – Westinghouse failed to adequately address the 15% difference between the core barrel first beam mode frequencies in the reactor coolant pump (RCP) reactor equipment system model (RESM) and the random turbulence RESM, which is greater than the 10% industry accepted standard.

Westinghouse Commitments:

1. Complete additional analyses to resolve differences between the core barrel first beam mode in the random turbulence (RT) and reactor coolant pump (RCP) models

Status: The models have been merged into a single flow induced vibration (FIV) RESM. The updated model has been benchmarked to test data; the core barrel first beam mode shows good agreement with the test data (less than five percent difference). Design change documentation required for final archiving of the RESM will be completed by June 30, 2014.

2. Implement actions/recommendations from RESM peer review

Status: The peer review actions/recommendations have been implemented in the updated RESM.

3. These analyses will confirm the ASME Code high cycle fatigue limits referenced in the NoN continue to be satisfied.

Status: Analyses of the reactor vessel internals components (using the updated RESM) confirming conformance with ASME high cycle fatigue limits are expected to be completed by October 31, 2014.

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4. Westinghouse expects the corrective actions concerning the analysis and fatigue margins to be complete by March 31, 2014.

Status: The corrective actions concerning the analysis and fatigue margins will be complete with the finalization of the reactor vessel internals component analyses.

- NoN 99900404/2013-203-02 – Westinghouse used incorrect engineering judgment to close Corrective Action Process (CAPs) Issue Report (IR) 12-286-W001, which addressed not applying random turbulence loads to the base plate in the random turbulence RESM.

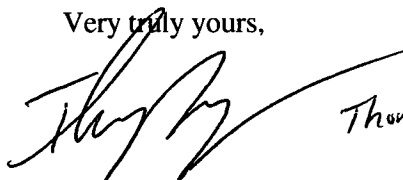
Westinghouse Commitments:

1. Update the RESM to address concerns in the NoN

Status: The dynamic random turbulence model has been updated and incorporated into the updated RESM. Updated forcing functions are applied to this model in the current random turbulence RESM analysis. Design change documentation required for final archiving of the RESM will be completed by June 30, 2014.

If you have any questions or desire further clarification, please contact the undersigned.

Very truly yours,



Thomas J. Ray F1

Paul A. Russ  
Director, US Licensing

/Enclosures

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