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U.S. Nuclear Regulatory Commission
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Your ref: Docket No. 52-006
Our ref: DCP_NRC_002728

December 30, 2009

Subject: AP1000 Shield Building – In-Plane Behavior of Concrete Filled Steel (CFS) Elements

Westinghouse is submitting technical documents to the NRC to support their review of Request for Additional Information (RAI) on SRP Section 3.8. This technical information is submitted in support of the AP1000 Design Certification Amendment Application (Docket No. 52-006). The information included in the response is generic and is expected to apply to all COL applications referencing the AP1000 Design Certification and the AP1000 Design Certification Amendment Application.

By copy of this letter, please redact the previous version of this presentation, submitted as Enclosure 13 of DCP_NRC_002721 dated 12/21/09. Use the copyrighted version attached here for public requests.

Enclosed is a properly annotated public copyrighted presentation entitled, "In-Plane Behavior of Concrete Filled Steel (CFS) Elements" as received from the author, Dr. Amit Varma of Purdue University, on 12/23/09.

Questions or requests for additional information related to the content and preparation of this response should be directed to Westinghouse. Please send copies of such questions or requests to the prospective applicants for combined licenses referencing the AP1000 Design Certification. A representative for each applicant is included on the cc: list of this letter.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Robert Sisk'.

Robert Sisk, Manager
Licensing and Customer Interface
Regulatory Affairs and Standardization

/Enclosure

1. "In-Plane Behavior of Concrete Filled Steel (CFS) Elements"

cc:	D. Jaffe	-	U.S. NRC	1E
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