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Your ref: Docket No. 52-006  
Our ref: DCP\_NRC\_002966

July 15, 2010

Subject: AP1000 Response to Request for Additional Information (SRP 3)

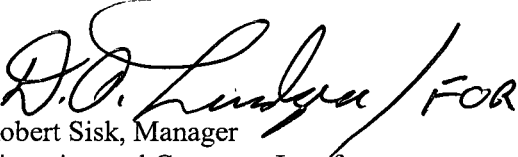
Westinghouse is submitting a response to the NRC request for additional information (RAI) on SRP Section 3. This RAI response is submitted in support of the AP1000 Design Certification Amendment Application (Docket No. 52-006). The information included in this response is generic and is expected to apply to all COL applications referencing the AP1000 Design Certification and the AP1000 Design Certification Amendment Application.

Enclosure 1 provides the response for the following RAI(s):

RAI-SRP3.9.4-EMB1-02

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,

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

/Enclosure

1. Response to Request for Additional Information on SRP Section 3

DD63  
NRO

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ENCLOSURE 1

Response to Request for Additional Information on SRP Section 3

# AP1000 TECHNICAL REPORT REVIEW

## Response to Request For Additional Information (RAI)

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RAI Response Number: RAI-SRP3.9.4-EMB1-02

Revision: 0

### **Question:**

AP1000 is a standard design. Whatever requirements and testing imposed on CRDM components and latch assemblies internationally, should also be applied to US CRDM components and latch assemblies. Westinghouse is requested to describe their approach for resolving CRDM latch assembly issues internationally, and to confirm that US AP1000 CRDM latch assemblies will be classified and qualified accordingly.

### **Westinghouse Response:**

The AP1000 uses a common CRDM design, including latch assemblies, in the Certified Design and for international applications. The quality assurance program, process control, material certifications, design control and testing program is the same for U. S, and international applications. There is a common design specification for CRDMs regardless of the ultimate destination. The CRDM latch assemblies are designed and manufactured with consideration for their importance to the safe operation of the plant. Westinghouse has internal requirements that much of the design, analysis, material procurement, manufacturing, production testing, etc. for the latch assemblies meet the requirements for safety-related components. In addition, the AP1000 CRDM latch assemblies are designed and fabricated by organizations that typically supply safety related equipment.

The international approaches to safety classification and requirements for safety class equipment are different than U. S. NRC requirements and guidance. This results in the CRDM latch assemblies being classified differently in different countries but using the same design and quality program requirements. Active discussions are continuing on the subject of the classification of the latch assembly in China and the United Kingdom. Westinghouse expects that the design, fabrication and quality assurance requirements for the CRDM latch assemblies will remain common with the requirements for latch assemblies manufactured for U. S. applications.

### **Design Control Document (DCD) Revision:**

None

### **PRA Revision:**

None

### **Technical Report (TR) Revision:**

None