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U.S. Nuclear Regulatory Commission  
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Your ref: Docket No. 52-006  
Our ref: DCP\_NRC\_003031

August 30, 2010

Subject: AP1000 Response to Request for Additional Information (SRP 01)

Westinghouse is submitting a response to the NRC request for additional information (RAI) on SRP Section 01. 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-Intro-NWE2-02

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,

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

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

/Enclosure

1. Response to Request for Additional Information on SRP Section 01

D063  
NR0

cc: D. Jaffe - U.S. NRC 1E  
E. McKenna - U.S. NRC 1E  
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T. Spink - TVA 1E  
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ENCLOSURE 1

Response to Request for Additional Information on SRP Section 01

# AP1000 TECHNICAL REPORT REVIEW

## Response to Request For Additional Information (RAI)

RAI Response Number: RAI-Intro-NWE2-02  
Revision: 0

### Question:

In Revision 17, Westinghouse revised DCD Section 5.4.1.2.1 to include a sentence describing the reactor coolant pump design as Tier 2\*. No change was made to DCD Introduction Table 1-1 to reflect this addition. The staff concludes that this item is Tier 2\* with no expiration date. Please update Table 1-1 accordingly.

### Westinghouse Response:

An entry in Table 1-1 of the DCD Introduction will be added to note the reactor coolant pump design Tier 2\* information in DCD Subsection 5.4.1.2.1. We concur that the Tier 2 \* designation does not expire at fuel load.

### Design Control Document (DCD) Revision:

Add an entry for reactor coolant pump design in Table 1-1 of the DCD Introduction as shown below.

Table 1-1 (Cont.)  
Index of AP1000 Tier 2 Information Requiring NRC Approval for Change

Item	Expiration at First Full Power	Tier 2 Reference
Reactivity Requirements for Rod Cluster Control Assemblies	Yes	Table 4.3-3
Reactor Coolant Pump Design	No	5.4.1.2.1
MOV Design and Qualification	Yes	5.4.8.1.2

### PRA Revision:

None

### Technical Report (TR) Revision:

None