

## AP1000DCDFileNPEm Resource

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**From:** Loza, Paul G. [lozapg@westinghouse.com]  
**Sent:** Wednesday, July 15, 2009 9:12 AM  
**To:** Buckberg, Perry; Butler, Rhonda  
**Cc:** Morrow, Robert J.; Altmayer, Scott A  
**Subject:** FW: AP1000 DCD RAIs SRP 9.1.1

Perry,

I acknowledge receipt for Westinghouse of RAI-SRP9.1.1-SRSB-06 and -07. I will advise you if a conference call is needed.

Thanks,

Paul

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**From:** Buckberg, Perry [mailto:Perry.Buckberg@nrc.gov]  
**Sent:** Wednesday, July 15, 2009 9:09 AM  
**To:** Loza, Paul G.  
**Cc:** Altmayer, Scott A; Sisk, Robert B.; McKenna, Eileen; Jaffe, David  
**Subject:** AP1000 DCD RAIs SRP 9.1.1

Paul,

Below are RAI-SRP 9.1.1-SRSB-06 and RAI-SRP 9.1.1-SRSB-07 (continuing from RAI-SRP 9.1.1-SRSB-05 that was issued in January 2009). Please let me know if a conference call will be needed.

Thanks,

**Perry Buckberg**

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### RAI-SRP 9.1.1-SRSB-06:

The validation of CASMO-4 outlined in Appendix B of APP-GW-GLR-029 Revision 1 covers a wide range of parameters. However, the following two parameters are not included:

- 1) Tungsten is not included in the list of burnable poisons or control materials.
- 2) The temperature ranges from 293 K to 1500 K, but the temperature range of interest in this application goes down to 277 K (4° C), presumably for both the fuel and coolant/moderator.

What is the effect of not including these variations in the CASMO-4 validation?

### RAI-SRP 9.1.1-SRSB-07:

APP-GW-GLR-029 Revision 1 does not mention borosilicate glass burnable absorbers in the analysis. The AP1000 DCD Revision 17 lists borosilicate glass as the main burnable absorber. How would the use of borosilicate glass burnable absorbers affect the analysis?

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**From:** Loza, Paul G.

**Created By:** lozapg@westinghouse.com

**Recipients:**

"Morrow, Robert J." <morrowrj@westinghouse.com>  
Tracking Status: None  
"Altmayer, Scott A" <altmaysa@westinghouse.com>  
Tracking Status: None  
"Buckberg, Perry" <Perry.Buckberg@nrc.gov>  
Tracking Status: None  
"Butler, Rhonda" <Rhonda.Butler@nrc.gov>  
Tracking Status: None

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