

## **AP1000TopRptsPEm Resource**

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**From:** Habib, Donald  
**Sent:** Tuesday, August 22, 2017 12:50 PM  
**To:** AP1000TopRptsPEm Resource  
**Subject:** NRC Staff Clarification Issues for August 2017 WCAP-17938 Audit Teleconference (REDACTED)  
**Attachments:** NRC Staff Clarification Issues for August 2017 WCAP-17938 Audit Teleconference REDACTED.docx

This is a redacted version of the audit issues the staff provided to Westinghouse.

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**Subject:** NRC Staff Clarification Issues for August 2017 WCAP-17938 Audit  
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**From:** Habib, Donald

**Created By:** Donald.Habib@nrc.gov

**Recipients:**  
"AP1000TopRptsPEm Resource" <AP1000TopRptsPEm.Resource@nrc.gov>  
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## NRC Staff Clarification Issues for August 2017 WCAP-17938 Audit Teleconference

1. Section 3.5 suggests a certain [ ] material and size are being specified for the CA31 neutron shielding, but the average particle size seems to reflect experience with one particular order that was tested. Clarify the [ ] size being used and how the [ ] conforms to ASTM C750.
2. With respect to the Upper Neutron Shield, the revisions list on Page ii seems inconsistent with Section 5.1.1.1.1. The revisions list explains that approval of the UNS is not being requested in the Topical Report, but Section 5.1.1.1.1 includes UNS, suggesting it is under review.
3. Given that [ ] is now a material in the scope of 5.1.2 (Aging Effects), why is nothing included about aging of [ ]?
4. Clarify the meaning of “[ ]” in Section 5.1.4 of the Topical Report. Our understanding from the chemical effects evaluation is that the case now described in Table 5-2 of the Topical Report assumes [ ], which is assumed to result in [ ] submergence test sample (with aging effects).
5. With respect to the previous information related to us after the previous phone call, what are the implications of the [ ] on the language used in the WCAP?