

ENCLOSURE 4

(Non-Proprietary Responses)

RAI-TR-SBLOCA-PIRT-91 Rev. 1 NP
RAI-TR-SBLOCA-PIRT-103 Rev. 1 NP

RAI-TR-SBLOCA-PIRT-164 Rev. 1 NP

WESTINGHOUSE SMR REVIEW
Response to Request For Additional Information (RAI)

RAI Response Number: RAI-TR-SBLOCA-PIRT-91

Revision: 1

Question:

The importance ranking for []^{a,c} (H.3.e in Table 3-3) and []^{a,c} (H.4 in Table 3-3) is []^{a,c}. On the basis of the analysis results presented in response to RAI-TR-SBLOCA-PIRT-04 and the phase definitions, the []^{a,c}. Please address this inconsistency.

Westinghouse Response:

[

] ^{a,c} Tables 3-3 and 3-4 will be revised to reflect this.

Reference:

None.

Design Control Document (DCD) Revision:

None.

PRA Revision:

None.

Technical Report (TR) Revision:

WCAP-17573-P Tables 3-3 and 3-4 will be revised. These changes are provided in the response to RAI-TR-SBLOCA-PIRT-103-P which contains a table of the changes and recommended mark-ups of WCAP-17573-P.

NRC Additional Comments:

The changes due to RAI-TR-SBLOCA-PIRT-91 as shown in response to RAI-TR-SBLOCA-PIRT-103 simply alter the importance ranking for [

] ^{a,c}

WESTINGHOUSE SMR REVIEW
Response to Request For Additional Information (RAI)

Westinghouse Additional Response:

Westinghouse agrees with the reviewer. The original response was incomplete. Phenomena H.3e and H.4 should be ranked [

] ^{a,c}

Reference:

None.

Design Control Document (DCD) Revision:

None.

PRA Revision:

None.

Technical Report (TR) Revision:

WCAP-17573-P Tables 3-3 and 3-4 will be revised. These changes are provided in the response to RAI-TR-SBLOCA-PIRT-103-P which contains a table of the changes and recommended mark-ups of WCAP-17573-P.

WESTINGHOUSE SMR REVIEW
Response to Request For Additional Information (RAI)

RAI Response Number: RAI-TR-SBLOCA-PIRT-103
Revision: 1

Question:

Please provide a table summarizing the changes to the WCAP-17573-P due to the responses to RAI-TR-SBLOCA-PIRT-69 through -102.

Westinghouse Response:

Table 103-1 provides a summary of the changes to WCAP-17573-P that were discussed in response to RAI-TR-SBLOCA-PIRT-69 through -102. Note that in addition to the changes identified in the responses to these RAIs, related pages were updated and included in Table 103-1 for consistency.

Revision 1:

Based on the revised response provided in RAI-TR-SBLOCA-PIRT-91, Revision 1, an additional change to WCAP-17573-P is required beyond those provided in Revision 0 of RAI-TR-SBLOCA-PIRT-103. Table 103-1 is updated for this change.

Reference:

None.

Design Control Document (DCD) Revision:

None.

PRA Revision:

None.

Technical Report (TR) Revision:

The changes described in Table 103-1 are attached in the form of markups to WCAP-17573-P.

WESTINGHOUSE SMR REVIEW
Response to Request For Additional Information (RAI)

Table 103-1
Summary of Changes Made in Response to
RAI-TR-SBLOCA-PIRT-69 through -102

RAI Number	Summary of Change	Impacted Page Number(s) from WCAP-17573-P, Revision 1

a,c,e

WESTINGHOUSE SMR REVIEW
Response to Request For Additional Information (RAI)

RAI Number	Summary of Change	Impacted Page Number(s) from WCAP-17573-P, Revision 1

a,c,e

WESTINGHOUSE SMR REVIEW
Response to Request For Additional Information (RAI)

RAI Number	Summary of Change	Impacted Page Number(s) from WCAP-17573-P, Revision 1	
			a,c,e

WESTINGHOUSE SMR REVIEW
Response to Request For Additional Information (RAI)

RAI Number	Summary of Change	Impacted Page Number(s) from WCAP-17573-P, Revision 1

a.c.e

WESTINGHOUSE SMR REVIEW
Response to Request For Additional Information (RAI)

RAI Response Number: RAI-TR-SBLOCA-PIRT-164 (Response Revision 1)
Revision: 1

Question:

Please describe how fuel thermal conductivity degradation is taken into account in the analysis?

Westinghouse Response:

[

] ^{a,c}

Reference:

None.

Design Control Document (DCD) Revision:

None.

PRA Revision:

None.

Technical Report (TR) Revision:

None.

NRC Additional Comments:

The response did not provide sufficient information for staff evaluation. Please supply more information on how the process is modeled in the code, not just the code name and its version.

Westinghouse Additional Response:

The process described in Attachment 3 to Enclosure 3 of Westinghouse transmittal DCP_NRC_003214 is also being used for the Westinghouse SMR. This enclosure can be obtained via NRC Accession Number ML12167A250.

Reference:

ML12167A250, "10 CFR 50.46 Thirty (30) Day Report for the AP1000 Standard Plant Design," 6/13/2012.

WESTINGHOUSE SMR REVIEW
Response to Request For Additional Information (RAI)

Design Control Document (DCD) Revision:

None.

PRA Revision:

None.

Technical Report (TR) Revision:

None.