

RESOLUTION OF COMMENTS BY THE OFFICE OF NUCLEAR REACTOR  
REGULATION ON DRAFT SAFETY EVALUATION FOR TOPICAL REPORT  
BAW-10192PA-00, SUPPLEMENT 1, REVISION 0, "BWNT LOCA – BWNT  
LOSS-OF-COOLANT ACCIDENT EVALUATION MODEL FOR  
ONCE-THROUGH STEAM GENERATOR PLANTS"

AREVA, INC.

Project No. 728

This attachment provides the U.S. Nuclear Regulatory Commission (NRC) staff's review and disposition of the comments made by AREVA Inc. on the draft safety evaluation (SE) for Topical Report BAW-10192PA-00, Supplement 1, Revision 0, "BWNT LOCA – BWNT Loss-of Coolant Accident Evaluation Model for Once-Through Steam Generator Plants"

<b>Page</b>	<b>Line</b>	<b>Proposed Change/Comment</b>	<b>NRC Resolution of Comments</b>
8	16-17	Proprietary information. Add proprietary marks to Table 1 as shown in the enclosed markup, consistent with the topical report Section 3.1.1.	The NRC staff agrees with the editorial suggestion. Change implemented in final SE.
10	12	Proprietary information. Add proprietary marks as shown in the enclosed markup, consistent with the topical report Section 3.1.1.	The NRC staff agrees with the editorial suggestion. Change implemented in final SE.
19	36	Proprietary information. Remove brackets from "Gap Gas Multiplier".	The NRC staff agrees with the editorial suggestion. Change implemented in final SE.
21	31-37	It is suggested that the proprietary marks be bold.	The NRC staff agrees with the editorial suggestion. Change implemented in final SE.
22	2	Proprietary information. Add proprietary marks as shown in the enclosed markup, consistent with the topical report.	The NRC staff agrees with the editorial suggestion. Change implemented in final SE.
23	25	Proprietary information. Modify the proprietary marks as shown in the enclosed markup, consistent with the topical report.	The NRC staff agrees with the editorial suggestion. Change implemented in final SE.
23	26	It is suggested that the right proprietary bracket be bold.	The NRC staff agrees with the editorial suggestion. Change implemented in final SE.

Page	Line	Proposed Change/Comment	NRC Resolution of Comments
25	21-23	The first two sentences in Section 3.4.2 are unclear. There are references to “former” and “latter” that are undefined since there is no preceding text to anchor these references. Consider adding a paragraph at the beginning of Section 3.4.2 to define the “former” and “latter” references.	<p>The first two sentences in the paragraph in questions were revised to read:</p> <p>The results from the steady-state fuel pin code provide initial input values to R5/M2-BW for steady-state and transient runs. R5/M2-BW calculates fuel pin geometric dimensions such as the pellet outside and clad inside radii that apply throughout the transient to set the fuel radius for the gap size calculation. The hot radial dimensions of the fuel and the clad calculated by T3/GDT and R5/M2-BW are different in two aspects: 1) the former uses best-estimate fuel temperatures without capturing the effect of TCD while the latter uses TCD-augmented fuel temperatures, and 2) the former includes irradiation-induced geometrical changes resulting from normal operation, while the latter does not.</p>