## RESOLUTION OF COMMENTS BY THE OFFICE OF NUCLEAR REACTOR REGULATION ON DRAFT SAFETY EVALUATION FOR TOPICAL REPORT BAW-10247P-A, SUPPLEMENT 2P, REVISION 0, "REALISTIC THERMAL-MECHANICAL FUEL ROD METHODOLOGY FOR BOILING WATER REACTORS SUPPLEMENT 2: MECHANICAL METHODS"

## FRAMATOME, INC.

## PROJECT NO. 728/DOCKET NO. 99902041

This attachment provides the U.S. Nuclear Regulatory Commission (NRC) staff's review and disposition of the comments made by Framatome Inc. (formerly AREVA Inc.) on the draft safety evaluation for Topical Report BAW-10247P-A, Supplement 2P, Revision 0, "Realistic Thermal-mechanical Fuel Rod Methodology for Boiling Water Reactors Supplement 2: Mechanical Methods."

Page	Line	Proposed Change/Comment	NRC Response
		Please revise the draft safety	
		evaluation to reflect approval of the	
		use of Zry-2 recrystallized material	
		for cladding and Z4B™ material for	
		water channels.	
		Please revise the burnup limitation	
		for fuel assembly growth to be	
		consistent with the additional	
		information to be provided as	
		discussed in the letter	
		accompanying this summary table.	
1	24	Delete highlighted proprietary	Brackets used to show inserted material,
		brackets, information is not	not proprietary information. Brackets not
		proprietary	deleted as suggested in final SE.
2	22	Delete highlighted proprietary	Brackets used to show inserted material,
		brackets, information is not	not proprietary information. Brackets not
		proprietary	deleted as suggested in final SE.
3	5	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
			accordingly.
3	26	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
			accordingly.
3	29	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
	0.4		accordingly.
3	34	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
			accordingly.

Page	Line	Proposed Change/Comment	NRC Response
3	35	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
			accordingly.
3	39	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
			accordingly.
4	1	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
			accordingly.
4	30	Delete highlighted proprietary	NRC staff agrees with suggested
		brackets, information is not	editorial changes. Final SE modified
		proprietary	accordingly.
4	38	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary arabitoto	accordingly.
4	41	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary products	accordingly.
5	31 to	Highlighted information is	NRC staff agrees with suggested
	34	proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary products	accordingly.
5	36	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary brackets	accordingly.
5	39	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary brackets	accordingly.
6	15	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary products	accordingly.
6	39	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary products	accordingly.
6	42	Highlighted information is	NRC staff agrees with suggested
		proprietary, add proprietary brackets	editorial changes. Final SE modified
		Francis, and propriotory products	accordingly.
6	43	Highlighted information is	NRC staff agrees with suggested
	.5	proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary brackets	accordingly.
7	1	Highlighted information is	NRC staff agrees with suggested
<b>'</b>	<b>'</b>	proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary brackets	accordingly.
7	8 to	Highlighted information is	NRC staff agrees with suggested
'	11	proprietary, add proprietary brackets	editorial changes. Final SE modified
	''	proprietary, and proprietary brackets	accordingly.
7	37-	Highlighted information is	NRC staff agrees with suggested
,	38	proprietary, add proprietary brackets	editorial changes. Final SE modified
	30	proprietary, and proprietary brackets	accordingly.
			accordingly.

Page	Line	Proposed Change/Comment	NRC Response
8	17-	Highlighted information is	NRC staff agrees with suggested
	18	proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary arabitoto	accordingly.
8	20-	Highlighted information is	NRC staff agrees with suggested
	21	proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, add proprietary brackets	accordingly.
8	29	Suggest replacing "non-ATRIUM"	NRC staff agrees with suggested
	23	with "tie rod"	editorial changes. Final SE modified
		With the roa	accordingly.
8	42	Highlighted information is	NRC staff agrees with suggested
	72	proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, add proprietary brackets	accordingly.
9	1	Highlighted information is	NRC staff agrees with suggested
9	I	proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, add proprietary brackets	accordingly.
9	7	Highlighted information is	NRC staff agrees with suggested
9	'	proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, add proprietary brackets	accordingly.
9	12	Suggest deleting "ATRIUM type"	NRC staff agrees with suggested
9	12	Suggest deleting ATTOM type	editorial changes. Final SE modified
			accordingly.
9	16	Suggest deleting "ATRIUM type"	NRC staff agrees with suggested
9	10	Suggest deleting ATTOM type	editorial changes. Final SE modified
			accordingly.
9	17-	Highlighted information is	NRC staff agrees with suggested
9	18	proprietary, add proprietary brackets	editorial changes. Final SE modified
	10	proprietary, and proprietary brackets	accordingly.
9	18-	Suggest deleting "ATRIUM type"	NRC staff agrees with suggested
9	19	Suggest deleting ATTOM type	editorial changes. Final SE modified
	13		accordingly.
9	20-	Highlighted information is	NRC staff agrees with suggested
9	21	proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary brackets	accordingly.
10	1-2	Highlighted information is	NRC staff agrees with suggested
10	'-2	proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary brackets	accordingly.
10	5	Highlighted information is	NRC staff agrees with suggested
'0		proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary brackets	accordingly.
10	7	Suggest deleting "ATRIUM type"	NRC staff agrees with suggested
'0	′	- Suggest deleting ATTOM type	editorial changes. Final SE modified
			accordingly.
10	8-9	Highlighted information is	NRC staff agrees with suggested
10	0-9	proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary brackets	accordingly.
A1	5-6	Highlighted information is	NRC staff agrees with suggested
^1	J-0	proprietary, add proprietary brackets	editorial changes. Final SE modified
		proprietary, and proprietary brackets	_
	]		accordingly.

Page	Line	Proposed Change/Comment	NRC Response
A1	20	Highlighted information is proprietary, add proprietary brackets	NRC staff agrees with suggested editorial changes. Final SE modified accordingly.
A3	14- 15	Highlighted information is proprietary, add proprietary brackets	NRC staff agrees with suggested editorial changes. Final SE modified accordingly.
A7	24	Highlighted information is proprietary, add proprietary brackets	NRC staff agrees with suggested editorial changes. Final SE modified accordingly.
A9	18	Highlighted information is proprietary, add proprietary brackets	NRC staff agrees with suggested editorial changes. Final SE modified accordingly.
A9	25	Highlighted information is proprietary, add proprietary brackets	NRC staff agrees with suggested editorial changes. Final SE modified accordingly.
A10	1	Highlighted information is proprietary, add proprietary brackets	NRC staff agrees with suggested editorial changes. Final SE modified accordingly.
A10	16	Highlighted information is proprietary, add proprietary brackets	NRC staff agrees with suggested editorial changes. Final SE modified accordingly.
A10	24	Highlighted information is proprietary, add proprietary brackets	NRC staff agrees with suggested editorial changes. Final SE modified accordingly.
A10	26	Highlighted information is proprietary, add proprietary brackets	NRC staff agrees with suggested editorial changes. Final SE modified accordingly.