



March 20, 2014

NRC:14:012

U.S. Nuclear Regulatory Commission
Document Control Desk
11555 Rockville Pike
Rockville, MD 20852

Closure Plan for U.S. EPR Design Certification Application – FSAR Group B and Group C Chapters

Ref 1: Letter, Pedro Salas (AREVA NP Inc.) to Document Control Desk (NRC), "Path Forward for U.S. EPR Design Certification Application," NRC:13:077, October 21, 2013.

Ref 2: Letter, Pedro Salas (AREVA NP Inc.) to Document Control Desk (NRC), "Closure Plan for U.S. EPR Design Certification Application – FSAR Group A Chapters," NRC:13:092, December 20, 2013.

Ref 3: Letter, Pedro Salas (AREVA Inc.) to Document Control Desk (NRC), "Calendar Year 2014 NRC Work Scope for the U.S. EPR Design Certification Application," NRC:14:005, February 6, 2014.

This letter and its enclosure identify the remaining activities for AREVA Inc. (AREVA) in selected FSAR chapters of the U.S. EPR design certification (DC) application and the schedule for closure. AREVA described a process for refocusing the design certification closure plans to support completion of individual FSAR chapters in Reference 1, as well as an associated public meeting that was held on October 24, 2013. Chapters closest to completion are AREVA's priority. Accordingly, AREVA has grouped FSAR chapters into three categories: near-term closure, moderate duration closure, and last to close (or Groups A, B and C, respectively). Reference 2 provided the closure plan for Group A chapters. This letter contains the closure plan for the Groups B and C chapters.

This closure plan includes the scope of remaining actions needed to demonstrate compliance with NRC requirements and to support NRC completion of the respective FSAR chapter Advanced Safety Evaluation Reports (SER). This letter and Reference 2 collectively identify and provide a schedule for completing the remaining work required to complete Phase 4 of NRC's review of the U.S. EPR design certification application. NRC issuance of an Advanced Safety Evaluation Report with no open items will complete Phase 4.

As stated in Reference 2, AREVA's priority for FSAR chapter completion in 2014 is the Group A chapters. In Reference 3, AREVA communicated the expected calendar year 2014 (CY2014) work scope for the NRC review and requested that the NRC apply its resources consistent with the identified work scope. The schedule contained in this letter is consistent with the approach identified in References 2 and 3.

The individual closure plans for the Group B and Group C FSAR chapters are addressed in Attachment A through Attachment N. The attachments identify open requests for additional information (RAI), technical and topical reports, and audits as discussed with the NRC in closure plan meetings on November 21, 2013, December 17, 2013, January 30, 2014, and February 25, 2014. The RAI schedules reflect the two-step RAI submission process for advanced and final responses. If the U.S. EPR project

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reverts back to a standard one-step RAI process, the schedules will be revised accordingly. Final RAI responses that have been submitted and are still in NRC evaluation are not identified unless it is known that the response will need to be revised. AREVA expects that all known issues have been identified through the closure plan meetings. FSAR revisions are not identified in this letter but will be sequenced to support efficient chapter closure.

If you have any questions related to this information, please contact Len Gucwa by telephone at (704) 805-2355, or by e-mail at Len.Gucwa.ext@areva.com.

Sincerely,



Pedro Salas, Director
Regulatory Affairs
AREVA Inc.

Enclosure

cc: G. F. Wunder
J. P. Segala
Docket 52-020

ATTACHMENT A

Closure Plan for U.S. EPR FSAR, Tier 2 Chapter 1 – Introduction and General Description of the Plant

This attachment identifies the remaining activities associated with FSAR Tier 2 Chapter 1, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

FSAR Chapter 1

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
Report	ANP-10292	SRP Conformance	---	---	April 22, 2016	Report reflects positions on conformance stated and justified in other FSAR chapters. Report markups will be provided with RAIs as necessary.
FSAR	N/A	Submittal of Final FSAR Chapter 1	---	---	2Q CY2016	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.

ATTACHMENT B

Closure Plan for U.S. EPR FSAR, Tier 2 Chapter 3 – Design of Structures, Components, Equipment and Systems

This attachment identifies the remaining activities associated with FSAR Tier 2 Chapter 3, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

FSAR Chapter 3						
RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
Seismic / Structural						
Study	N/A	Revised time history methodology study	---	---	April 3, 2014	Post to electronic reading room
155	03.08.01-13	Structural design software	---	---	May 8, 2014	RAI response to document time history methodology
376	03.08.05-31	EPGB and ESWB	---	---	March 20, 2015	
580	03.08.04-28	Vent stack	---	---	March 6, 2015	
580	03.08.04-29	Containment liner plate	---	---	March 6, 2015	
155	03.08.04-6	Analysis of critical sections	---	---	June 15, 2015	Closure of Q03.08.01-39, 40, 43, 44, 45 and Q03.07.02-78 dependent on Q03.08.04-6 response
155	03.08.01-24	Critical sections	---	---	June 15, 2015	Final response acceptable pending submittal of Q03.08.04-6
155	03.08.03-15	Critical sections	---	---	June 15, 2015	Final response acceptable pending submittal of Q03.08.04-6

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
155	03.08.01-20	Critical section selection	---	---	July 7, 2015	
629	03.07.02-80	SASSI / BWSPAN	September 30, 2015	November 13, 2015	December 4, 2015	
Audit	N/A	Critical sections audit	---	---	3Q CY2015	May schedule more than one audit to cover all critical section calculations.
Audit	N/A	ESWB hydrodynamic load calculation	---	---	3Q CY2014	Previous audit action item. Calculation to be posted to electronic reading room.
Fuel Storage Racks						
Meeting	N/A	Technical meeting – fuel racks			1Q CY2015	
445	03.08.04-20	Time history analyses	---	---	May 12, 2015	
445	03.08.04-21	Rack structural analysis	---	---	May 12, 2015	Supplemental response
589	03.08.04-31	Time history analyses	May 26, 2015	July 28, 2015	August 11, 2015	
335	03.08.04-10	Spent fuel pool loads	---	---	October 2, 2015	
Report	TN-Rack.0101 Rev. 1	Fuel rack design report	---	---	October 2, 2015	
Audit	N/A	Final fuel rack audit			3Q CY2015	
Other Chapter 3 RAIs						
583	03.08.03-25	Tier 2*	---	---	March 10, 2014 (A)	

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
FSAR	N/A	Incorporation of ANP-10264 into FSAR Chapter 3	---	---	To be included in FSAR Rev. 6	NRC review deferred until CY2015
612	03.09.06-21 03.09.06-22 03.09.06-23	FSAR Rev. 5 – IST and ITAAC	January 15, 2015	February 26, 2015	March 12, 2015	
590	03.09.02-171 03.09.02-172	S/G fluid-elastic instability	---	---	June 8, 2015	
594	03.09.03-27	CRDM displacement limiter specification	April 19, 2016	June 22, 2016	July 7, 2016	
Audit	N/A	Final design specification audit	---	---	2Q CY 2016	
FSAR	N/A	Submittal of Final FSAR Chapter 3	---	---	3Q CY2016	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.

ATTACHMENT C
Closure Plan for U.S. EPR FSAR, Tier 2 Chapter 4 – Reactor

This attachment identifies the remaining activities associated with FSAR Tier 2 Chapter 4, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

FSAR Chapter 4

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
Letter	N/A	Seismic reconciliation letter	---	---	July 2, 2014	
600	04.02-19	Guide tube operability	August 12, 2014	October 1, 2014	October 15, 2014	Testing planned for week of April 21, 2014 in Richland, WA
Report	ANP-10325P Rev. 1	Fuel assembly faulted analysis	---	---	May 26, 2014	Basis for revision to be communicated to NRC prior to submittal
FSAR	N/A	Submittal of Final FSAR Chapter 4	---	---	3Q CY2015	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.

ATTACHMENT D
Closure Plan for U.S. EPR FSAR, Tier 2 Chapter 6 – Engineered Safety Features

This attachment identifies the remaining activities associated with FSAR Tier 2 Chapter 6, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

FSAR Chapter 6

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
Report	ANP-10322P Rev. 2	PAR qualification and testing	---	---	June 30, 2014	Incorporation of previously submitted markups
597	06.02.05-35	Equipment survivability	March 6, 2015	May 8, 2015	May 22, 2015	
553	06.03-18	ECCS NPSH	---	---	February 25, 2015	
524	06.02.02-127	RAI 553 conforming changes	---	---	February 25, 2015	
475	06.02.02-86	RAI 553 conforming changes	---	---	February 25, 2015	
340	06.02.01-57	RAI 553 conforming changes	---	---	February 25, 2015	
Audit	N/A	NPSH audit	---	---	1Q CY2015	
Report	ANP-10293P Rev. 5	GSI-191 report	---	---	December 5, 2015	
ACRS	N/A	ACRS meeting – GSI-191	---	---	1Q CY2016	

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
(598)	(06.02.01-106)					See Attachment N – Fukushima
(626)	(06.03-19)					See Attachment N – Fukushima
FSAR	N/A	Submittal of Final FSAR Chapter 6	---	---	2Q CY2016	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.

ATTACHMENT E
Closure Plan for U.S. EPR FSAR, Tier 2 Chapter 7 – Instrumentation and Controls

This attachment identifies the remaining activities associated with FSAR Tier 2 Chapter 7, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

FSAR Chapter 7

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
505	07.01-33	Single failed SPND	June 27, 2014	October 13, 2014	October 30, 2014	New advanced response planned
Audit	N/A	SPND audit	---	---	3Q CY2014	May include RAI 544 Q04.04-67
Round 4	ANP-10287P 31-36	Complex trip functions	June 28, 2013 (A)	March 28, 2014	February 27, 2015	
Report	ANP-10287P Rev. 2	Incore trip setpoint methodology report	---	---	February 27, 2015	Markups will be provided with Q07.01-33 advanced response. Date could be accelerated into 2014 depending on NRC review of RAIs 31-36.
608	07.01-56 through -63	I&C	June 19, 2015	July 17, 2015	July 31, 2015	
609	07.01-64 through -83	I&C	June 19, 2015	July 17, 2015	July 31, 2015	
611 (Draft)	07.01-84	Watchdog timer	*	*	*	* Dates to be established after final RAI received
555	07.01-53	Software failures	November 24, 2015	February 5, 2016	February 19, 2016	

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
FSAR	N/A	Submittal of Final FSAR Chapter 7	---	---	2Q CY2016	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.

ATTACHMENT F
Closure Plan for U.S. EPR FSAR, Tier 2 Chapter 9 – Auxiliary Systems

This attachment identifies the remaining activities associated with FSAR Tier 2 Chapter 9, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

FSAR Chapter 9

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
578	09.04.03-7	HVAC	---	---	February 18, 2015	
595	09.01.02-42	SFCTF leakage in Tech Specs	March 13, 2015	May 15, 2015	June 1, 2015	
620	09.01.05-25	Heavy load handling standards	March 13, 2015	April 10, 2015	April 24, 2015	
601	09.02.01-52	EPGBVS cooler	May 14, 2015	July 20, 2015	August 3, 2015	
622	09.01.04-43	SFCTF – radiation zones	May 15, 2015	June 12, 2015	June 26, 2015	RAI 622 will address outstanding issues with RAI 398 Q09.01.04-18 and RAI 525 Q09.01.04-23
621 (Draft)	09.01.04-42	SFCTF – recovery operations	*	*	*	* Dates to be established after final RAI received (will be 2015)
628 (Draft)	09.01.04-44	SFCTF – AIA ITAAC	*	*	*	* Dates to be established after final RAI received (will be 2015)
Audit	N/A	SFCTF audit			2Q CY2015	
FSAR	N/A	Submittal of Final FSAR Chapter 9	---	---	3Q CY2015	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.

ATTACHMENT G
Closure Plan for U.S. EPR FSAR, Tier 2 Chapter 11 – Radioactive Waste Management

This attachment identifies the remaining activities associated with FSAR Tier 2 Chapter 11, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

FSAR Chapter 11

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
Meeting	N/A	Chapter 11 public meeting	---	---	March 5, 2014 (A)	Discuss RAI 625
528	11.05-28	Radiation monitors	---	---	---	Superseded by new RAI 625
301	11.02-17	Tank failure radioactive release	---	---	(See Chapter 12 RAI 539)	To be addressed as part of RAI 539 response
625 (Draft)	11.05-29	Radiation monitor open issues	*	*	*	* Dates to be established after final RAI received
FSAR	N/A	Submittal of Final FSAR Chapter 11	---	---	4Q CY2015	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.

ATTACHMENT H
Closure Plan for U.S. EPR FSAR, Tier 2 Chapter 12 – Radiation Protection

This attachment identifies the remaining activities associated with FSAR Tier 2 Chapter 12, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

FSAR Chapter 12

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
539	12.03-12.04-29	Source terms	---	---	April 1, 2015	Will address remaining issues from RAI 554 Q11.02-27 and RAI 301 Q11.02-17
548	12.03-12.04-31	Radiation doors	---	---	April 30, 2015	Potentially impacted by Q12.03-12.04-29 and may require reconciliation
593	12.03-12.04-33	Dose rates from AVS filters	May 19, 2015	June 16, 2015	June 30, 2015	
599	12.03-34	Radiation zones	May 19, 2015	June 16, 2015	June 30, 2015	
616	12.03-35	Radwaste bldg. ventilation	March 6, 2015	May 8, 2015	May 22, 2015	
627	12.02-7	N-16 concentrations	May 15, 2015	June 16, 2015	June 30, 2015	Addresses remaining issues from RAI 17 Q15.00.03-1
529	12.03-12.04-28	Radiation monitors	---	---	August 27, 2015	
FSAR	N/A	Submittal of Final FSAR Chapter 12	---	---	4Q CY2015	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.

ATTACHMENT I
Closure Plan for U.S. EPR FSAR, Tier 2 Chapter 14 – Verification Programs

This attachment identifies the remaining activities associated with FSAR Tier 2 Chapter 14 and Tier 1, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

FSAR Chapter 14 and Tier 1

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
527	14.02-163	Rad monitors in test abstracts	---	---	---	Superseded by new RAI 625
614	14.03.07-41	SCWS temperature range	March 13, 2015	April 24, 2015	May 8, 2015	
613	14.02-164	FOAK tests	June 26, 2015	July 24, 2015	August 7, 2015	
527	14.03.02-56	Structural key dimensions	---	---	March 23, 2016	
527	14.03.02-57	Hazard barriers	---	---	March 23, 2016	Supplemental response
527	14.03.02-58	Class MC ITAAC	---	---	March 23, 2016	
527	14.03.07-38	Rad monitoring ITAAC	---	---	February 12, 2016	Will address remaining issues from RAI 562 Q14.03.08-6
557	14.03.07-39	RG 1.143 classification	---	---	February 17, 2016	
411	14.03.03-49	Inspectability issues	---	---	March 23, 2016	Address remaining issues from May 2013 meeting
615	14.03.05-43	SAS ITAAC	March 25, 2016	May 27, 2016	June 13, 2016	

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
FSAR	N/A	Submittal of Final FSAR Chapter 14 and Tier 1	---	---	3Q CY2016	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.

ATTACHMENT J
Closure Plan for U.S. EPR FSAR, Tier 2 Chapter 15 – Transient and Accident Analyses

This attachment identifies the remaining activities associated with FSAR Tier 2 Chapter 15, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

FSAR Chapter 15

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
573	15.6.5-116	GSI-191	---	---	December 3, 2015	Conforming changes to RAIs 191, 362, 428, 493 as necessary
(Report)	(ANP-10293P Rev. 5)	GSI-191 report	---	---	---	See Chapter 6
ACRS	---	ACRS meeting on long term core cooling	---	---	1Q CY2016	
FSAR	N/A	Submittal of Final FSAR Chapter 15	---	---	1Q CY2016	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.

ATTACHMENT K
Closure Plan for U.S. EPR FSAR, Tier 2 Chapter 16 – Technical Specifications

This attachment identifies the remaining activities associated with FSAR Tier 2 Chapter 16, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

FSAR Chapter 16						Notes
RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	
606	16-324	SGBS TS	March 11, 2014 (A)	April 14, 2014	May 15, 2014	Supports Chapter 10 closure
607	16-325	EBS TS	February 17, 2015	March 17, 2015	March 31, 2015	
618	16-326	FSAR Rev. 5 changes	March 20, 2015	April 17, 2015	May 1, 2015	
619	16-327	FSAR Rev. 5 changes	March 20, 2015	April 17, 2015	May 1, 2015	
FSAR	N/A	Fuels Tech Specs modifications (2.0, 3.1, 3.2)	---	---	June 1, 2015	
300	16-311, 312, 313, 315	I&C TS	---	---	April 29, 2016	Interaction on I&C TS conversion anticipated prior to RAI submittals RAI 103 and RAI 110 to be evaluated for impact of I&C TS changes and revised as necessary
315	16-320	I&C TS	---	---	April 29, 2016	
484	16-322	I&C TS	---	---	April 29, 2016	

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
FSAR	N/A	Submittal of Final FSAR Chapter 16	---	---	3Q CY2016	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.

ATTACHMENT L

Closure Plan for U.S. EPR FSAR, Tier 2 Chapter 18 – Human Factors Engineering

This attachment identifies the remaining activities associated with FSAR Tier 2 Chapter 18, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

FSAR Chapter 18

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
617	18-242	Incorporation of implementation plans	March 27, 2015	June 1, 2015	June 15, 2015	Minor changes to implementation plan reports
586	18-240	Risk significant operator actions	May 12, 2015	July 16, 2015	July 30, 2015	
586	18-241	SICS/PICS	May 12, 2015	July 16, 2015	July 30, 2015	
FSAR	N/A	Submittal of Final FSAR Chapter 18	---	---	3Q CY2015	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.

ATTACHMENT M
Closure Plan for U.S. EPR FSAR, Tier 2 Chapter 19 – PRA and Severe Accident Evaluation

This attachment identifies the remaining activities associated with FSAR Tier 2 Chapter 19, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

FSAR Chapter 19

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
Audit	N/A	Severe accident and PRA audit	---	---	CY2015	AREVA will re-engage NRC on the audit action items in CY2015 but is working to close the severe accident-related actions in CY2014, including RAI reconciliation.
Meeting	N/A	Meeting on I&C modeling in PRA	---	---	1Q CY2015	Dependent on progress toward resolution of I&C design issues.
591	19-370	Severe accident audit action items	---	---	July 16, 2014	Address comments on Jan. 29, 2014 submittal. Response addresses PRA audit action item #17. Revision to RAI 473 Q06.02.05-24 not required.
553	06.02.05-31	Severe accident audit action items	---	---	January 29, 2014 (A)	
532	19-352	Severe accident audit action items	---	---	January 29, 2014 (A)	
579	19-366	PRA audit action items	---	---	February 19, 2015	Chapter 5 impacts are being addressed separately for early Chapter 5 closure.
227	19-284, 287, 292-295	PRA audit action items	---	---	February 12, 2015	Closure is dependent on progress toward resolution of I&C design issues.
289	19-328, 329	PRA audit action items	---	---	February 13, 2015	

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
579	19-367	PRA audit action items	---	---	February 19, 2015	
572	19-365	PRA audit action items	---	---	February 27, 2015	
495	19-351	Containment pressure fragility	---	---	February 27, 2015	
Report	ANP-10290 Rev. 2	Environmental report	---	---	May 15, 2015	
581	19-369	PRA audit action items	---	---	July 24, 2015	
(563)	(19-356)	Fukushima	---	---	---	See Attachment N – Fukushima
(623)	(19.02-1-4)	Equipment functionality	---	---	---	See Attachment N – Fukushima
(624)	(19-372)	Mode 5 core cooling	---	---	---	See Attachment N – Fukushima
455	19-341	Seismic margin analysis	---	---	February 13, 2015	
596	19-371	Shear capacity of pier walls	January 8, 2015	March 13, 2015	March 27, 2015	
Audit	N/A	FB fragility audit	---	---	1Q CY2015	
FSAR	N/A	Submittal of Final FSAR Chapter 19	---	---	2Q CY2016	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.

ATTACHMENT N
Closure Plan for U.S. EPR FSAR, Fukushima Response

This attachment identifies the remaining activities associated with the Fukushima Response, including RAI questions, technical or topical reports, audits, and significant FSAR changes. It is AREVA's understanding that satisfactory closure of the items identified in this attachment will be sufficient to support development of an Advanced Safety Evaluation Report with no open items (Phase 4 of the NRC safety review).

Fukushima Response						Notes
RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	
Meeting	N/A	Public meeting – Fukushima	---	---	March 19, 2014 (A)	
Audit	N/A	Fuel pool time to boil audit	---	---	2Q CY2014	As discussed at March 19, 2014 meeting, this audit may not be required.
Audit	N/A	MCR heatup audit	---	---	2Q CY2014	
Audit	N/A	GOTHIC containment analysis audit	---	---	3Q CY2014	Discussed at March 19, 2014 meeting.
Audit	N/A	S-RELAP5 audit	---	---	3Q CY2014	
598	06.02.01-106	Containment integrity	June 17, 2014	August 12, 2014	September 30, 2014	
623	19.02-1-4	Equipment functionality	June 3, 2014	July 3, 2014	September 30, 2014	
624	19-372	Mode 5 core cooling	July 31, 2014	September 16, 2014	September 30, 2014	
626	06.03-19	Primary coolant injection line	May 5, 2014	June 18, 2014	September 30, 2014	
563	19-356	Fukushima	---	---	September 30, 2014	

RAI No.	Question or Item	Short Title	Advanced Submittal Date	NRC Comment Request Date	Final Completion Date	Notes
Report	ANP-10329 Rev. 1	ELAP report	---	---	September 30, 2014	

Notes:

1. Table reflects the revised two-step RAI submission process established previously. Final Completion Date is submittal of final response by AREVA.
2. Dates provided in the "NRC Comment Request Date" block have been established as target dates for NRC feedback to support achievement of the established final commitment date.