



February 21, 2012  
NRC:12:008

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

ATTN: Michael R. Johnson, Director, Office of New Reactors

**U.S. EPR Design Certification Schedule for Responses to Open Items**

Reference: Letter, D. B. Matthews (NRC) to Tony Robinson (AREVA NP Inc.), AREVA NP, Inc. – Review Schedule for the U.S. EPR Standard Design Certification Application,” August 18, 2011

AREVA NP (AREVA) has reviewed the remaining work to respond to the NRC staff's open items for the U.S. EPR Final Safety Analysis Report (FSAR) identified during completion of the Phase 2 safety review (draft safety evaluation with open items). A schedule is provided in Attachment 1 for responses to open items planned for completion in calendar year 2012. A schedule is provided in Attachment 2 for responses to open items planned for completion in 2013. AREVA will begin providing this schedule information for Attachment 1 and 2 items via the eRAI process.

AREVA notes that the scope of remaining work identified on Attachments 1 and 2 is based on AREVA's understanding of the number of remaining open items (items for which AREVA has not provided a final response). For a number of these open items, AREVA has provided a draft response for NRC staff consideration in advance of submitting a final response. The schedule for those items is dependent on timely NRC staff feedback. AREVA understands that NRC staff is also working to finalize Phase 4 closure plans, for discussion at the February 28 DCWG meeting, which outline NRC's staff's understanding of the remaining work scope and their schedule to complete their Phase 4 review. AREVA will work closely with NRC staff to reconcile any differences.

AREVA is working in coordination with UniStar and PPL to finalize the plan for addressing Fukushima lessons-learned for the U.S. EPR design. Initial discussions were held with the NRC staff on December 7, 2011. AREVA is considering NRC feedback provided at that meeting, as well as the ongoing evolution of related regulatory and industry activities to prepare the plan. Together with UniStar and PPL, the proposed plan for Fukushima-related activities will be discussed at the February 28, 2012, U.S. EPR Design-Centered Working Group meeting with the NRC staff.

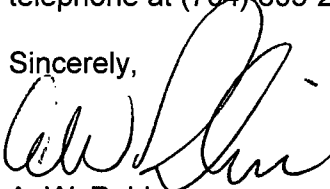
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AREVA believes that continued and timely interaction with NRC staff and their subcontractors will be necessary in 2012 to maintain the schedule for critical path activities, such as critical sections in RAI 155, in light of the technical issues identified with the SASSI code subtraction method in RAI 489. Resolution of RAI 489 is a predecessor activity to starting the critical section work in RAI 155. AREVA requests that NRC staff consider these interaction needs as part of their planning process and notes that the critical path schedule assumes a timely resolution of this issue with NRC staff.

Although the attached schedule information reflects a change to the previous milestone schedule, AREVA remains fully committed to completing the U.S. EPR design certification project and to providing the information necessary for the NRC staff to complete an efficient and timely review that supports the U.S. EPR design certification rulemaking. Based on previous NRC milestone schedule durations, AREVA believes that the submittal of responses to all remaining open items by the dates identified in Attachments 1 and 2 supports a NRC milestone schedule for completion of rulemaking by December 31, 2014. AREVA also recognizes that the revised schedule impacts the combined license (COL) applicants and notes that both UniStar and PPL are aware of AREVA's schedule changes and are evaluating changes in their respective schedules.

If you have any questions related to this information, please contact me or Darrell Gardner by telephone at (704) 805-2355 or by e-mail at [darrell.gardner@areva.com](mailto:darrell.gardner@areva.com).

Sincerely,



A. W. Robinson  
Vice President, New Builds North America  
AREVA NP Inc.

Enclosures

cc: G. Tesfaye  
D. B. Matthews  
Docket 52-020

**Attachment 1: Submittal Dates for Open Item Responses in CY 2012**  
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Chapter	RAI	Question	Current Commitment Date	Revised Commitment Date
3	370	03.07.02-64	2/28/2012	3/29/2012
3	422	03.09.02-108	2/22/2012	3/22/2012
3	467	03.06.03-28	3/7/2012	3/7/2012
3	467	03.09.02-161	3/7/2012	3/7/2012
3	489	03.07.02-75	2/17/2012	10/29/12
3	497	03.09.06-19	2/17/2012	2/17/2012
3	503	03.09.02-168	4/9/2012	4/9/2012
3	503	03.09.03-26	4/9/2012	4/9/2012
3	504	03.02.02-14	3/23/2012	4/25/2012
3	508	03.09.02-169	8/16/2012	8/16/2012
3	510	03.02.01-19	2/29/2012	4/5/2012
3	510	03.09.05-28	4/7/2012	4/5/2012
3	522	03.09.02-170	2/28/2012	10/16/2012
5	531	05.03.02-11	4/13/2012	4/13/2012
6	471	06.02.02-85	----	3/9/2012
6	471	06.02.05-20	5/23/2012	5/23/2012
6	471	06.02.05-21	5/23/2012	5/23/2012
6	471	06.02.05-23	5/23/2012	5/23/2012
6	474	06.02.05-25	3/7/2012	7/17/2012
6	500	06.02.01.02-11	2/29/2012	4/10/2012
6	500	06.02.01.02-12	2/29/2012	4/10/2012
6	500	06.02.01.02-13	2/29/2012	4/10/2012
6	500	06.02.01.02-14	2/29/2012	4/10/2012
6	500	06.02.01.02-15	2/29/2012	4/10/2012
6	500	06.02.01.02-16	2/29/2012	4/10/2012
6	500	06.02.01.02-17	2/29/2012	4/10/2012
6	507	06.02.02-122	6/6/2012	6/6/2012
6	515	06.02.01-103	6/6/2012	6/6/2012
6	515	06.02.05-26	4/4/2012	4/4/2012
6	535	06.02.02-128	2/21/2012	9/21/2012
7	414	07.03-30	4/5/2012	5/22/2012
7	505	07.01-34	4/5/2012	5/9/2012
7	505	07.01-35	4/26/2012	5/30/2012
7	505	07.01-36	4/5/2012	5/1/2012
7	505	07.01-37	3/8/2012	4/17/2012
7	505	07.01-38	4/5/2012	5/1/2012
7	505	07.01-39	4/26/2012	5/22/2012
7	505	07.01-40	4/26/2012	5/22/2012

**Attachment 1: Submittal Dates for Open Item Responses in CY 2012**  
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Chapter	RAI	Question	Current Commitment Date	Revised Commitment Date
7	505	07.01-41	3/8/2012	4/17/2012
7	505	07.01-44	4/5/2012	5/9/2012
7	505	07.01-45	4/26/2012	5/1/2012
7	505	07.01-46	4/26/2012	5/1/2012
7	505	07.01-47	4/5/2012	5/22/2012
7	505	07.01-48	4/5/2012	5/9/2012
7	505	07.01-49	4/26/2012	5/30/2012
7	505	07.01-50	4/26/2012	5/30/2012
7	505	07.01-51	4/26/2012	5/22/2012
7	505	07.03-38	3/8/2012	4/17/2012
7	505	07.05-10	3/8/2012	4/17/2012
7	505	07.08-47	4/26/2012	5/30/2012
7	505	07.09-71	4/5/2012	5/9/2012
7	512	07.08-50	4/5/2012	5/30/2012
9	461	09.04.01-03	3/23/2012	3/23/2012
9	461	09.04.03-04	3/23/2012	3/23/2012
9	461	09.04.03-06	3/23/2012	3/23/2012
9	492	09.03.04-21	4/18/2012	4/18/2012
9	492	09.03.04-22	3/29/2012	4/18/2012
9	492	09.03.04-23	8/17/2012	8/17/2012
9	492	09.03.04-25	4/18/2012	4/18/2012
9	492	09.03.04-26	3/29/2012	4/18/2012
9	513	09.01.01-53	2/21/2012	7/26/2012
9	513	09.01.01-54	2/21/2012	7/26/2012
9	513	09.01.01-56	2/21/2012	4/26/2012
9	513	09.01.01-57	2/21/2012	7/26/2012
9	513	09.01.01-59	2/21/2012	4/26/2012
9	513	09.01.01-60	2/21/2012	7/26/2012
9	517	09.05.01-86	4/6/2012	4/6/2012
9	518	09.02.05-38	7/13/2012	7/13/2012
9	518	09.05.01-87	3/28/2012	3/28/2012
9	519	09.05.01-88	2/17/2012	4/18/2012
9	534	09.01.04-40	2/21/2012	3/21/2012
9	536	09.01.04-41	4/11/2012	4/11/2012
9	538	09.01.01-63	2/27/2012	4/26/2012
10	294	10.02.03-17	2/24/2012	2/24/2012
10	294	10.02.03-20	2/24/2012	2/24/2012

**Attachment 1: Submittal Dates for Open Item Responses in CY 2012**  
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<b>Chapter</b>	<b>RAI</b>	<b>Question</b>	<b>Current Commitment Date</b>	<b>Revised Commitment Date</b>
10	294	10.02.03-23	2/24/2012	2/24/2012
10	430	10.02-09	2/22/2012	4/26/2012
10	430	10.02-10	2/22/2012	4/26/2012
12	459	12.03 - 12.04-25	----	3/29/2012
14	506	14.03.05-27	2/21/2012	3/15/2012
14	506	14.03.05-30	2/21/2012	3/15/2012
14	506	14.03.05-39	2/21/2012	3/15/2012
14	506	14.03.05-41	2/21/2012	3/15/2012
14	516	14.03.09-17	2/21/2012	4/25/2012
14	516	14.03.09-18	2/21/2012	4/25/2012
14	516	14.03.09-19	2/21/2012	4/25/2012
15	403	15.06.05-066	3/20/2012	3/20/2012
15	403	15.06.05-068	3/9/2012	3/9/2012
15	403	15.06.05-070	3/20/2012	3/20/2012
15	523	15.06.05-115	3/28/2012	3/28/2012
ANP-10285P	7	64	3/30/2012	3/30/2012
ANP-10285P	7	65	3/30/2012	3/30/2012
ANP-10285P	7	66	3/30/2012	3/30/2012
ANP-10285P	7	68	4/18/2012	7/31/2012
ANP-10285P	7	70	4/18/2012	7/31/2012
ANP-10287P	N/A	(add 3 complex functions)	3/30/2012	4/6/2012

**Attachment 2: Submittal Dates for Open Item Responses in CY 2013**  
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Chapter	RAI	Question	Current Commitment Date	Revised Commitment Date
3	155	03.08.01-24	2/21/2012	8/30/13
3	155	03.08.04-06	2/21/2012	8/30/13
3	354	03.06.02-35	2/21/2012	8/30/13
3	370	03.07.01-27	2/21/2012	8/30/13
3	376	03.08.05-31	2/21/2012	8/30/13
3	404	03.09.03-24	----	8/30/13
3	420	03.02.01-12	5/18/2012	6/28/13
3	420	03.02.02-07	5/18/2012	6/28/13
3	445	03.08.04-15	5/24/2012	6/28/13
3	445	03.08.04-19	5/24/2012	6/28/13
3	445	03.08.04-20	5/24/2012	6/28/13
3	445	03.08.04-21	5/24/2012	6/28/13
3	445	03.08.04-27	5/24/2012	6/28/13
3	533	03.06.01-13	3/29/2012	3/29/13
6	473	06.02.05-24	2/21/2012	6/28/13
6	511	06.02.02-125	2/21/2012	3/29/13
6	511	06.02.02-126	2/21/2012	3/29/13
6	511	06.04-09	2/21/2012	3/29/13
6	511	06.04-10	2/21/2012	3/29/13
6	511	06.04-11	2/21/2012	3/29/13
6	524	06.02.02-127	2/21/2012	6/28/13
7	505	07.01-33	2/21/2012	8/30/13
9	513	09.01.01-58	2/21/2012	8/30/13
9	513	09.01.01-61	2/21/2012	8/30/13
9	513	09.01.01-62	2/21/2012	8/30/13
9	513	09.01.04-20	2/21/2012	8/30/13
9	525	09.01.04-21	2/21/2012	6/28/13
9	525	09.01.04-22	2/21/2012	6/28/13
9	525	09.01.04-23	2/21/2012	6/28/13
9	525	09.01.04-24	2/21/2012	6/28/13
9	525	09.01.04-25	2/21/2012	6/28/13
9	525	09.01.04-26	2/21/2012	6/28/13
9	525	09.01.04-27	2/21/2012	6/28/13
9	525	09.01.04-28	2/21/2012	6/28/13
9	525	09.01.04-29	2/21/2012	6/28/13
9	525	09.01.04-30	2/21/2012	6/28/13
9	525	09.01.04-31	2/21/2012	6/28/13
9	525	09.01.04-32	2/21/2012	6/28/13
9	525	09.01.04-33	2/21/2012	6/28/13

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<b>Chapter</b>	<b>RAI</b>	<b>Question</b>	<b>Current Commitment Date</b>	<b>Revised Commitment Date</b>
9	525	09.01.04-34	2/21/2012	6/28/13
9	525	09.01.04-35	2/21/2012	6/28/13
9	525	09.01.04-36	2/21/2012	6/28/13
9	525	09.01.04-37	2/21/2012	6/28/13
9	525	09.01.04-38	2/21/2012	6/28/13
9	526	09.01.02-40	2/21/2012	6/28/13
9	526	09.01.02-41	2/21/2012	6/28/13
9	526	09.01.03-14	2/21/2012	6/28/13
9	526	09.01.03-15	2/21/2012	6/28/13
9	530	09.01.05-24	2/21/2012	6/28/13
9	534	09.01.04-39	2/21/2012	6/28/13
11	528	11.05-28	2/21/2012	6/28/13
12	529	12.03 - 12.04-28	2/21/2012	6/28/13
12	539	12.03 - 12.04-29	3/1/2012	8/30/13
14	469	14.03-16	2/21/2012	8/30/13
14	527	14.02-163	2/21/2012	3/29/13
14	527	14.03.02-56	2/21/2012	8/30/13
14	527	14.03.02-57	2/21/2012	3/29/13
14	527	14.03.02-58	2/21/2012	3/29/13
14	527	14.03.02-59	2/21/2012	3/29/13
14	527	14.03.02-60	2/21/2012	3/29/13
14	527	14.03.02-61	2/21/2012	3/29/13
14	527	14.03.02-62	2/21/2012	3/29/13
14	527	14.03.07-38	2/21/2012	3/29/13
15	403	15.06.05-061	2/21/2012	8/30/13
15	403	15.06.05-062	2/21/2012	8/30/13
15	403	15.06.05-063	2/21/2012	8/30/13
15	521	15.00.03-39	2/29/2012	6/28/13
16	300	16-311	4/5/2012	6/28/13
16	300	16-312	4/5/2012	6/28/13
16	300	16-315	4/5/2012	6/28/13
16	315	16-320	4/5/2012	6/28/13
16	484	16-322	4/5/2012	6/28/13
19	289	19-328	2/21/2012	8/30/13
19	289	19-329	2/21/2012	8/30/13
19	349	19-334	2/21/2012	6/28/13
19	349	19-335	2/21/2012	6/28/13
19	455	19-341	2/21/2012	8/30/13
19	460	19-348	2/21/2012	8/30/13
19	460	19-349	2/21/2012	8/30/13

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<b>Chapter</b>	<b>RAI</b>	<b>Question</b>	<b>Current Commitment Date</b>	<b>Revised Commitment Date</b>
19	460	19-350	2/21/2012	8/30/13
19	495	19-351	2/21/2012	6/28/13
19	532	19-352	2/21/2012	8/30/13
19	532	19-353	2/21/2012	8/30/13
19	532	19-354	2/21/2012	8/30/13
19	532	19-355	2/21/2012	8/30/13
ANP-10285P	7	67	7/20/2012	8/30/13
ANP-10285P	7	69	4/18/2012	8/30/13
ANP-10285P	7	71	7/20/2012	8/30/13
ANP-10287P	-----	(associated with RAI 505, 07.01- 33)	2/21/2012	8/30/13
Aircraft Impact Inspection	-----	-----	-----	6/28/13