



March 15, 2013
NRC:13:011

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

Revised Closure Plan for the U.S. EPR Open Item on Blast Effect Methodology (RAI 354, Question 03.06.02-35)

Ref. 1: Letter, Pedro Salas (AREVA NP Inc.) to Document Control Desk (NRC), "Closure Plan for the U.S. EPR Open Item on Blast Effect Methodology (RAI 354, Question 03.06.02-35)," NRC:13:008, February 8, 2013.

An Open Item Closure Plan for the AREVA NP Inc. (AREVA NP) blast effects methodology and resolution approach for RAI 354, Question 03.06.02-35 was provided to the NRC in Reference 1. Enclosed with this letter is the Revised Open Item Closure Plan for RAI 354, Question 03.06.02-35, which incorporates the feedback from a conference call between AREVA NP and the NRC on March 1, 2013. The plan provides a resolution path to closure, future NRC and AREVA NP interaction opportunities, and a schedule for submitting the final response.

If you have any questions related to this submittal, please contact Mr. Len Gucwa by telephone at 434-832-3466, or by e-mail at Len.Gucwa.ext@areva.com.

Sincerely,

A large, stylized handwritten signature in black ink, appearing to read 'Pedro Salas'.

Pedro Salas, Director
Regulatory Affairs
AREVA NP Inc.

Enclosure

cc: A. M. Snyder
Docket 52-020

AREVA NP INC.

3315 Old Forest Road, P.O. Box 10935, Lynchburg, VA 24506-0935
Tel.: 434 832-3000 - www.aveva.com

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**Revised Closure Plan for the U.S. EPR Open Item on Blast Effect Methodology
(RAI 354, Question 03.06.02-35)**

1 Introduction

During the January 29, 2013 public meeting, AREVA NP Inc. (AREVA NP) provided the blast effect methodology and approach for RAI 354, Question 03.06.02-35. During this meeting, AREVA NP provided the timeline for closure of the NRC Open Item related to RAI 354, Question 03.06.02-35, to support completion of the NRC Phase 4 review milestone. Based on the feedback from a conference call with the NRC on March 1, 2013, a revision was made to the activities needed to close the NRC Open Item related to RAI 354, Question 03.06.02-35. This plan documents the details of the AREVA NP Closure Plan for the U.S. EPR Open Item related to blast effects, and provides a resolution approach for closure, future interaction opportunities for NRC Staff to provide feedback during the closure process, and the schedule for providing the final response for the Open Item.

The following provides the planned responses for the blast effect Open Item RAIs.

2 Planned Response Approach for Each RAI Question

2.1 RAI 354, Question 03.06.02-35 – Blast Wave Effects in the U.S. EPR design

Submit advanced copy of final response to RAI 354, Question 03.06.02-35 to the NRC (including markups to ANP-10318P, "Pipe Rupture External Loading Effects on U.S. EPR Essential Structures, Systems, and Components").

- Submit final Response to RAI 354, Question 03.06.02-35 to the NRC (including formal revisions to ANP-10318P).

3 Interaction Opportunities

AREVA NP proposes the following interaction opportunities with NRC Staff to facilitate closure of these issues:

- a. The following information regarding the blast effect methodology for RAI 354, Question 03.06.02-35, will be made available in the AREVA NP electronic reading room by April 1, 2013:
 - Markups to ANP-10318P, "Pipe Rupture External Loading Effects on U.S. EPR Essential Structures, Systems, and Components Technical Report."
 - A supporting presentation describing the blast effect methodologies, including a description of each of the validation and verification (V&V) test cases used for the blast effect methodology and the results of these test cases.
 - References used for the V&V test cases.
- b. A follow-up public meeting/telecom will be held to obtain feedback and address NRC comments, if any, on the information item provided in Item 3.a. AREVA NP proposes that this public meeting/telecom be held in mid April 2013. AREVA NP understands that the NRC will use this information to determine whether the NRC needs to perform a confirmatory analysis of any of the V&V test cases.

4 Information Submittal Dates

The schedule for the response to the Open Item question is provided in Table A-1.

Table A-1: Open Items Related to Blast Effect Methodology

RAI	Question No.	Topic/Subject	Advanced copy of Final Response to NRC	Final to NRC
354	03.06.02-35	Blast Effects	6/11/13	7/30/13