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U.S. Nuclear Regulatory Commission
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Rockville, MD 20852

Request for Revision to the Safety Evaluation for BAW-10255PA Revision 2 "Cycle-Specific DIVOM Methodology Using the RAMONA5-FA Code"

- Ref 1: BAW-10255PA Revision 2 "Cycle-Specific DIVOM Methodology Using the RAMONA5-FA Code," AREVA NP Inc., May, 2008.
- Ref 2: Letter, Ho K. Nieh (NRC) to Ronnie Gardner (AREVA NP Inc.) "Final Safety Evaluation for AREVA NP Inc. (AREVA) Topical Report (TR) BAW-10255(P), 'Cycle-Specific DIVOM Methodology Using the RAMONA5-FA Code'," (TAC NO. MC9767), May 21, 2008.
- Ref 3: Letter, Sher Bahadur (NRC) to Pedro Salas (AREVA NP Inc.) "Final Safety Evaluation for AREVA NP Inc. Topical Report EMF-3028(P), 'RAMONA5-FA: A Computer Program for BWR Transient Analysis in the Time Domain,' Volume 1, Revision 2, 'User's Manual' and Volume 2, 'Theory Manual'," (TAC NO. MD8812), March 4, 2013.

The Safety Evaluation (SE) for Reference 1 imposes restrictions on the use of the DIVOM method until the NRC completed a full review of the RAMONA5-FA code. The NRC recently completed a full review of the RAMONA5-FA code. A discussion with the NRC Staff (Chris Jackson and Jonathan Rowley) occurred on March 13, 2013 to establish the appropriate path for documenting this review and removing the SE restrictions from the DIVOM method. The agreed process from this discussion was that the NRC Staff would issue an SE on the RAMONA5-FA code and then AREVA NP Inc. (AREVA NP) would request that the NRC revise the DIVOM method SE to remove the relevant SE restrictions. Since the RAMONA5-FA code SE has now been issued in Reference 3, AREVA NP requests that the NRC Staff issue a revised SE for the DIVOM method as outlined below.

The Reference 2 Safety Evaluation (SE) for the Reference 1 topical report imposes the following SE restrictions:

1. If a reduced scope of parameter variations is used to define the cycle-specific DIVOM slope as described in Section 7 of the TR, the scope must be justified and documented for NRC staff review.
2. The NRC staff imposes a condition to perform a full code review of RAMONA5-FA, including constitutive relations, numerics, neutronic methods, and benchmarks before RAMONA5-FA can be used to calculate DIVOM curves in EFW operating domains without the 10 percent penalty on DIVOM slopes, as noted in Limitation and Condition No.3 below.

Q.004
NRR

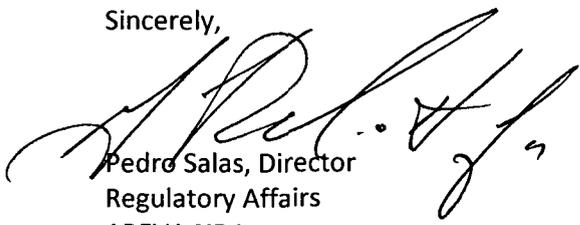
AREVA NP INC.

3. The NRC staff imposes an interim 10 percent penalty on DIVOM slopes calculated using the RAMONA5-FA methodology under EFW conditions. This is an interim restriction that will be revised when the full RAMONA5-FA Code review is completed.

SE restrictions 2 and 3 imposes a 10 percent penalty on DIVOM slopes when performing evaluations for the Extended Flow window (EFW) flow conditions until the NRC completes a full code review of the RAMONA5-FA code. Reference 3 documents a full code review of the RAMONA5-FA code by the NRC and approves the removal of SE restrictions 2 and 3 from Reference 2. AREVA NP requests that the NRC issue a revision to the Reference 2 SE removing SE restrictions 2 and 3. AREVA NP will then issue the next revision of Reference 1 (Revision 3) which incorporates the Revised SE.

If you have any questions related to this proprietary submittal, please contact Mr. Alan B. Meginnis, Product Licensing Manager at 509-375-8266 or by e-mail at alan.meginnis@areva.com.

Sincerely,



Pedro Salas, Director
Regulatory Affairs
AREVA NP Inc.

Enclosures

cc: J.G. Rowley
Project 728