

From: Guzman, Richard
Sent: Thursday, January 26, 2017 10:02 AM
To: 'Wanda D Craft (Generation - 6)'
Subject: RE: Summary of Jan. 18, 2017 Discussion with Dominion, AREVA and the NRC on MPS2 RLBLOCA

Wanda,

Thanks for the summary provided in your message below. As discussed during the mentioned January 18 teleconference, the NRC staff appreciates the licensee bringing the identified error to our attention. We understand the information passed by the licensee and AREVA is still preliminary. The staff considered the information in its review of the associated application, and deemed that the error, as characterized by the licensee on the call, do not have any significant impact on the staff's safety conclusion. As concluded by the NRC staff in the safety evaluation for Amendment No. 332 dated January 24, 2017, there is reasonable assurance that the activities proposed in the LAR will be conducted in compliance with the Commission's regulations and without endangering the health and safety of the public.

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Rich Guzman  
Sr. PM, Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Office: O-8E10 | Phone: 301-415-1030

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**From:** Wanda D Craft (Generation - 6) [<mailto:wanda.d.craft@dom.com>]  
**Sent:** Thursday, January 19, 2017 4:09 PM  
**To:** Guzman, Richard <[Richard.Guzman@nrc.gov](mailto:Richard.Guzman@nrc.gov)>  
**Subject:** [External\_Sender] Summary of Jan. 18, 2017 Discussion with Dominion, AREVA and the NRC on MPS2 RLBLOCA

**Dominion**  
Dana Knee  
Lauren Lopez  
Dave Bajumpaa  
Brian Mount  
Brian Vitiello  
Gabby Westerlind  
Jeff Langan  
Craig sly  
Wanda Craft

**AREVA**  
Elisa Calvo Tone  
Andrei Burghilea  
Jerry Holm  
Rick Williamson

**NRC**  
Josh Borromeo  
Rich Guzman

On May 25, 2016, Dominion Nuclear Connecticut (DNC) submitted a license amendment request (LAR) for Millstone Power Station Unit 2 (MPS2) that proposed to add the AREVA topical report EMF-2103(P)(A), "Realistic Large Break Loss of Coolant Accident (RLBLOCA) Methodology for Pressurized

Water Reactors” to Technical Specification 6.9.1.8.b, Core Operating Limits Report,” which lists the analytical methods used to determine the core operating limits. The LAR is in NRC review.

On January 18, 2017, DNC notified the NRC by telecon that AREVA had identified a minor error in the MPS2 RLBLOCA analysis. This email is a summary of the teleconference where preliminary information was shared with the NRC staff.

EMF-2103(P)(A), Revision 3, page A-32, provides proprietary guidance on the treatment of the form loss coefficient in the hot leg internal junctions. It was discovered that the MPS2 model deviates from the guidance. The specific deviation and the scope of error evaluation to determine the impact were explained to the NRC staff on January 18. The preliminary estimated effect is 0°F on the proposed analysis of record peak cladding temperature of 1615°F that was documented in the LAR dated May 25, 2016.

After formal evaluation by AREVA in accordance with their quality assurance program and notification to MPS2, DNC will follow the process for reporting errors and changes to ECCS Evaluation Models per the requirements of 10 CFR 50.46(a)(3)(iii).

Wanda D. Craft  
Nuclear Regulatory Affairs  
Dominion Resources Services, Inc  
(804) 273-4687  
tie-line 730-4687

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