

From: [Wanda D Craft \(Generation - 6\)](#)
To: [Guzman, Richard](#)
Subject: [External_Sender] RAI-12 Supplement RAI Response Adopt Core Design and Safety Analysis Methods - MPS3
Date: Thursday, March 03, 2016 4:48:20 PM

Rich,

As requested by the NRC reviewer in a clarification call on March 3, 2016, the following information supplements the DNC response for RAI-12 that was provided in the RAI response dated February 25, 2016 related to the Adopt Dominion Core Design and Safety Analysis Methods LAR.

RAI-12 Response Supplemental Information concerning Dominion RETRAN MSSV Modeling

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This information supplements the DNC response for RAI-12 relative to the Loss of Normal Feedwater (LONF) event. The purpose of this clarification is to provide additional information on the application of valve blowdown for the Dominion RETRAN main steam safety valve (MSSV) model. The effect of valve blowdown is included in the Dominion MSSV model. Valve blowdown applies to the closing phase of the valve and results in the valve not becoming fully closed until the steam pressure is less than the pressure at which the valve opened. As a result, the MSSV continues to provide relief flow at pressures below the opening pressure during the closing cycle for the valve. As noted in the response to RAI-12, including blowdown reduces the calculated steam generator pressure and saturation temperature during the closing phase of the MSSV.

If you have any questions, please let me know. Thanks.

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