

NRR-PMDAPem Resource

From: Vega, Frankie
Sent: Thursday, December 15, 2016 9:00 AM
To: Kirkpatrick, Brenda M. (bmkirkp@nppd.com)
Subject: Rec 2.1 Seismic: Cooper's SFP evaluation

Hello Mrs. Kirkpatrick;

Hope you're doing well. I'm currently reviewing Cooper's Rec 2.1 SFP evaluation. In order to complete my review I would need additional information / clarification on the piping evaluation performed as part of the SFP submittal. Please see my question below:

The piping evaluation section states that piping attached to the SFP could not be confirmed to have been evaluated to the SSE. In addition, this section states that piping is attached such that drain-down is possible to 10' above top of fuel, which is a "safe storage depth." However, analyses in EPRI's SFP Seismic Evaluation Guidance (EPRI 3002007148) considered initial SFP water losses only from seismically induced sloshing, and did not consider additional water losses such as from a potential SFP pipe-break located 10' above the top of the spent fuel. Additional information is needed to evaluate the potential for boil-off and uncovering the top third of the spent fuel within 72 hours of a seismically induced pipe-break that resulted in unmitigated water loss to 10' above the top of the spent fuel, which is the event sequence outlined in the SPID (EPRI 1025287).

If need additional information from our end please let me know.

Thanks

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Project Manager

NRR/JLD/JHMB

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