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2018-151_____BWR Vessel & Internals Project (BWRVIP)

December 14, 2018

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Attention: Jennifer Tobin

Subject: Peach Bottom Unit 2 Surveillance Capsule Test Results Report

Reference: BWRVIP-86, Revision 1-A: BWR Vessel and Internals Project, Updated BWR Integrated Surveillance Program (ISP) Implementation Plan, EPRI, Palo Alto, CA: 2012. 1025144.

The purpose of this letter is to request that an extension of the date to submit the Peach Bottom Unit 2 30° reactor pressure vessel surveillance capsule summary technical report to the NRC in accordance with 10 CFR 50 Appendix H.IV.A.

The Peach Bottom Unit 2 30° capsule was withdrawn from the reactor on October 22, 2018 in accordance with the BWRVIP Integrated Surveillance Program (ISP) withdrawal schedule documented in BWRVIP-86, Revision 1-A, referenced above. The BWR ISP capsule reports go through the BWRVIP's committee review process that adds 2 to 3 months to completion and publication of the capsule report. Given the current timeline, the BWRVIP's report review and approval process, and experience with prior ISP reports, submittal of the Peach Bottom Unit 2 30° capsule report cannot be completed within the 1 year requirement of 10 CFR 50 Appendix H.IV.A. Testing of the capsule contents will comply with the requirements of 10 CFR 50 Appendix H. The final report will be completed and transmitted to the NRC no later than April 30, 2020.

The plate material in the Peach Bottom Unit 2 30° capsule is identified in BWRVIP-86, Revision 1-A, as representative for target plate materials in the Limerick Unit 1, Nine Mile Point Unit 2, and Peach Bottom Unit 2 reactor vessels. However, the surveillance data will not be used directly for these materials because the plate material in the Peach Bottom Unit 2 30° capsule is not a heat-specific match to any of the target plate materials. The plate material in the Peach Bottom Unit 2 30° capsule is a heat-specific match to another plate in the Peach Bottom Unit 2 reactor vessel beltline and the surveillance data will be used directly for that plate material. Peach Bottom Unit 2's current Effective Full Power Years (EFPY) is 33.7 and the plant's Pressure and Temperature Limits Report (PTLR) contains pressure-temperature (P-T) limit curves for 53 EFPY of operation.



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The weld material in the Peach Bottom Unit 2 30° capsule is identified in BWRVIP-86, Revision 1-A, as representative for target weld material in the Peach Bottom Unit 2 reactor vessel only. However, the weld material in the Peach Bottom Unit 2 30° is not a heat-specific match to the target weld material. Therefore, the surveillance data will not be used directly.

If you have any questions on this subject, please contact Drew Odell (Exelon Corp., BWRVIP Research Integration Committee Technical Chairman) by email at andrew.odell@exeloncorp.com or by telephone at 610.212.1155.

Sincerely,

Andrew McGehee, EPRI, BWRVIP Program Manager
Tim Hanley, Exelon, BWRVIP Executive Committee Chairman

c: Jennifer Tobin, NRR Project Manager – Peach Bottom
D. Alley, NRC
A. Odell, Exelon Corp.
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