

August 29, 2018

Document Control Desk
U. S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

BWRVIP Docket No. 99902016

Subject: BWRVIP-319NP: BWR Vessel and Internals Project, Testing and Evaluation
of the Hatch Unit 2 120° Surveillance Capsule

References: 1. M. Markley to A. McGehee and J. Hutto, "Edwin I. Hatch Nuclear Plant,
Unit No. 2 – Request for Extension of Date to Submit Reactor Vessel
Surveillance Capsule Summary Technical Report (CAC No. MF9753; EPID
L-2017-LLL-0011)," January 22, 2018.

Enclosed is one (1) paper copy of the report "BWRVIP-319NP: BWR Vessel and Internals
Project, Testing and Evaluation of the Hatch Unit 2 120° Surveillance Capsule," EPRI Technical
Report 3002013103, August 2018. This report is being transmitted to the NRC for information
only.

This report describes testing and evaluation of the Hatch Unit 2 120° surveillance capsule. These
results will be used to monitor embrittlement as part of the BWRVIP Integrated Surveillance
Program (ISP).

- The weld material in the Hatch Unit 2 120° surveillance capsule is identified in BWRVIP-86, Revision 1-A, as representative for target materials for target weld materials in the Hatch Unit 2, Nine Mile Point Unit 1, and Oyster Creek reactor vessels. However, the weld material in the Hatch Unit 2 120° is not a heat-specific match to any of the target weld materials. Therefore, the surveillance data will not be used directly.
- The plate material in the Hatch Unit 2 120° surveillance capsule is identified in BWRVIP-86, Revision 1-A, as representative for target plate material for the Hatch Unit 2 reactor vessel only. The plate representative material in the 120° capsule is not a heat specific match to the target plate material in the Hatch Unit 2 reactor vessel. However, the representative material is a heat-specific match to another plate material in the Hatch Unit 2 reactor vessel and direct use will be made of the surveillance data. The Hatch Unit 2 P-T limit curves are contained in a Pressure-Temperature Limits Report (PTLR) and

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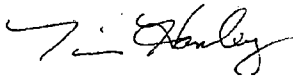
the impact of the test results from the 120° surveillance capsule are currently being evaluated.

It should be noted that the BWRVIP previously requested an extension to the 10 CFR 50 Appendix H surveillance capsule testing reporting requirements and committed to providing the results of the Hatch Unit 2 120° surveillance capsule by August 31, 2018. That request was approved in Reference 1.

Please also note that the enclosed report is non-proprietary and is available to the public by request to EPRI.

If you have any questions on this subject please call Steve Richter (Energy Northwest, BWRVIP Assessment Committee Chairman) at 509-377-4703.

Sincerely,



Andrew McGehee, EPRI, BWRVIP Chairman
Tim Hanley, Exelon Corporation, BWRVIP Chairman

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