



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

July 30, 2014

Mr. Chuck Wirtz  
BWRVIP Integration Committee Technical Chairman  
Electric Power Research Institute  
3420 Hillview Avenue  
Palo Alto, CA 94304-1395

SUBJECT: PERRY NUCLEAR POWER PLANT UNIT 1 - EXTENSION OF SCHEDULE FOR REPORTING SURVEILLANCE CAPSULE TEST RESULTS UNDER THE INTEGRATED SURVEILLANCE PROGRAM (TAC NO. MF3926) (EPRI LETTERS 2013-185, AND 2013-211)

Dear Mr. Wirtz,

By letter dated October 21, 2013, as supplemented by a letter dated November 20, 2013 (Agencywide Document Access and Management System (ADAMS) Accession Nos. ML14058A701 and ML13330A905, respectively), the Boiling Water Reactor Vessels and Internals Project (BWRVIP) requested an extension of the 1-year reactor vessel surveillance capsule results reporting requirements as required by Paragraph IV.B of Appendix H to Title 10 to the *Code of Federal Regulation* (10 CFR) for the Perry Nuclear Power Plant (PNPP), Unit 1.

Electric Power Research Institute (EPRI) report BWRVIP-86-1-A, "BWR Integrated Surveillance Program Implementation Plan," Revision 1, (ADAMS Accession No ML13176A097), provides guidance for the establishment of an acceptable alternative to all existing BWRs plant-specific reactor pressure vessel surveillance programs for the purpose of maintaining compliance with the requirements of Appendix H to 10 CFR Part 50 through the end of current facility 40-year and/or 60-year extended operating licenses. As indicated in the U.S. Nuclear Regulatory Commission safety evaluation dated February 1, 2002 (ADAMS Accession No. ML020380691), which was incorporated into BWRVIP-86-A "BWR Vessel and Internals Project, Updated BWR Integrated Surveillance Program (ISP) Implementation Program" (ADAMS Accession No. ML023190487),

[t]he BWRVIP shall submit any changes regarding the ISP testing matrix, withdrawal schedule, or testing and reporting of individual capsule results to the NRC for review and approval prior to implementing these changes. Further, the BWRVIP will perform testing and submit surveillance capsule reports to the NRC in accordance with the provisions found in Appendix H to 10 CFR Part 50 on behalf of BWR licensees.

The November 20, 2013, supplement, identified the current effective full-power years (EFPYs) and whether the target material would be affected by the availability of the capsule report. For PNPP, approved pressure-temperature curves are available as the current EFPY is approximately 20.5, and will remain valid until the capsule report can be reviewed.

The other facility potentially affected by the surveillance capsule results is currently at 25 EFPY

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of operation, with approved pressure-temperature limits curves through 35 EFPY.

Therefore, approved pressure-temperature limit curves will remain valid until the capsule report can be reviewed. Based on the delay not affecting the ability to determine embrittlement for those facilities using the capsule, the NRC staff finds that extending the reporting of the results from ISP surveillance capsule will not change the overall effectiveness of the ISP nor will it affect the continued safe operation of the affected BWR facilities. Therefore, the extension for PNPP, Unit 1, until October 31, 2014, is acceptable.

Should you have further questions regarding implementation of the ISP, please contact Joseph Holonich at 301-415-7297.

Sincerely,

/ RA /

Eva Brown, Senior Project Manager  
Plant Licensing III-2 and  
Planning and Analysis Branch  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-440

Project No. 704

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of operation, with approved pressure-temperature limits curves through 35 EFPY.

Therefore, approved pressure-temperature limit curves will remain valid until the capsule report can be reviewed. Based on the delay not affecting the ability to determine embrittlement for those facilities using the capsule, the NRC staff finds that extending the reporting of the results from ISP surveillance capsule will not change the overall effectiveness of the ISP nor will it affect the continued safe operation of the affected BWR facilities. Therefore, the extension for PNPP, Unit 1, until October 31, 2014, is acceptable.

Should you have further questions regarding implementation of the ISP, please contact Joseph Holonich at 301-415-7297.

Sincerely,

/ RA /

Eva Brown, Senior Project Manager  
Plant Licensing III-2 and  
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**ADAMS Accession Number: ML14140A701**

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