

PSEG Nuclear LLC

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10 CFR 50, Appendix H, Section IV.B

LR-N16-0168  
October 31, 2016

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

Hope Creek Generating Station  
Renewed Facility Operating License No. NPF-57  
NRC Docket No. 50-354

**Subject: 10 CFR 50 Appendix H Status Update for Hope Creek Generating Station**

**Reference:** Letter No. 2016-114 from EPRI to NRC "BWRVIP-298NP: BWR Vessel and Internals Project, Testing and Evaluation of the Hope Creek 120° Capsule," dated October 31, 2016

On October 31, 2016, the Electric Power Research Institute (EPRI), on behalf of the Boiling Water Reactor Vessel and Internals Project (BWRVIP), submitted "BWRVIP-298NP: BWR Vessel and Internals Project, Testing and Evaluation of the Hope Creek 120° Capsule," as required by 10 CFR 50, Appendix H, Section IV.A.

PSEG Nuclear LLC (PSEG) has reviewed the test results provided in BWRVIP-298NP and determined that changes to the Pressure-Temperature (P-T) Limit Curves (Figures 3.4.6.1-1, 3.4.6.1-2 and 3.4.6.1-3) contained in the Hope Creek Generating Station (Hope Creek) Technical Specifications (TS) are required. PSEG will submit a license amendment request to revise the Hope Creek P-T limit curves by March 31, 2017.


The Hope Creek TS P-T curves are valid for 32 effective full power years (EFPY), and Hope Creek is currently at approximately 25.5 EFPY. However, preliminary analysis of the results of this recent capsule information shows that there is a negative impact on the Hope Creek pressure-temperature operating limits.

PSEG implemented a 28°F adjustment to the P-T limit curves to ensure that the fracture toughness requirements for the reactor coolant pressure boundary contained in 10 CFR 50 Appendix G are maintained through administrative controls until the license amendment request is submitted and approved.

There are no regulatory commitments contained in this letter.

If you have any questions or require additional information, please contact Ms. Tanya Timberman at 856-339-1426.

Respectfully,

A handwritten signature in black ink, appearing to read 'Eric S. Carr', with a long horizontal line extending to the right.

Eric S. Carr  
Site Vice President  
Hope Creek Generating Station

cc: Mr. D. Dorman, Administrator, Region I, NRC  
Ms. C. Parker, Project Manager, NRC  
NRC Senior Resident Inspector, Hope Creek  
Mr. P. Mulligan, Chief, NJBNE  
PSEG Corporate Commitment Tracking Coordinator  
Hope Creek Commitment Tracking Coordinator