



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

February 15, 2019

**LICENSEE:** PSEG Nuclear LLC

**FACILITY:** Hope Creek Generating Station

**SUBJECT:** SUMMARY OF FEBRUARY 12, 2019, CLOSED TELECONFERENCE MEETING  
WITH PSEG NUCLEAR LLC AND GENERAL ELECTRIC-HITACHI NUCLEAR  
ENERGY TO DISCUSS A GENERAL ELECTRIC PART 21 ISSUE

On February 12, 2019, a closed teleconference meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of PSEG Nuclear LLC. (PSEG) and General Electric-Hitachi Nuclear Energy (GEH). Hope Creek Generating Station (Hope Creek) has been identified as one of the boiling-water reactors having a GE (General Electric) Part 21 issue involving the potential to exceed the low pressure safety limit (LPSL). The purpose of the meeting was for PSEG and GEH to present a potential alternative approach utilizing the pressure range change to address GE Part 21 Safety Communication (SC) 05-03. The teleconference meeting was closed because the GEH presentation contained the proprietary information. This meeting summary does not include any SUNSI information. The meeting notice and agenda, dated January 30, 2019, are available in the Agencywide Documents Access and Management System at Accession No. ML19030A357. A list of attendees is enclosed with this memorandum.

PSEG and GEH presented an overview of the following areas to assess the feasibility of reducing Hope Creek's LPSL.

- GE Part 21 SC 05-03 Background
- GEXL Correlation Overview and Pressure Dependence
- Review of Hope Creek Anticipated Operational Occurrences
- Evaluation of Pressure Regulator Failure – Open

The LPSL reduction is based on a first-of-a-kind approach to extend the GEXL critical power vs. pressure trend from the GNF-3 fuel product line data to the GNF-2 and GE-14 product lines in use at Hope Creek. The NRC staff indicated that there were no apparent "show stoppers" in this proposed approach based on their initial review of the presentation, but the justification for lowering the low bound of the GEXL pressure application range must be provided in the license amendment request. PSEG indicated that the scope of formal GEH analytical work required to support a license amendment request to change the LPSL will be developed within the next several weeks, followed by a PSEG management decision on next steps.

No regulatory decisions were made during the telephone conference. Please direct any inquiries to me at (301) 415-4125 or [James.Kim@nrc.gov](mailto:James.Kim@nrc.gov).

A handwritten signature in black ink, reading "James S. Kim". The signature is fluid and cursive, with a long horizontal stroke at the end.

James S. Kim, Project Manager  
Plant Licensing Branch I  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-354

Enclosure:  
List of Attendees

cc: Listserv

LIST OF ATTENDEES

FEBRUARY 12, 2019, MEETING WITH PSEG NUCLEAR LLC AND

GENERAL ELECTRIC-HITACHI NUCLEAR ENERGY TO DISCUSS

A GENERAL ELECTRIC PART 21 ISSUE

ATTENDEES	ORGANIZATION
Joshua Kaiser	U.S. Nuclear Regulatory Commission (NRC)
Mohammad Razzaque	NRC
Caroline Tilton	NRC
James Kim	NRC
Paul Davidson	PSEG Nuclear LLC (PSEG)
Dave Mannai	PSEG
Bill Kopchick	PSEG
Melissa Driscoll	PSEG
Frank Safin	PSEG
Paul Duke	PSEG
Mike Wiwel	PSEG
Eric Scott	PSEG
George Depta	General Electric-Hitachi Nuclear Energy (GEH)
Seungmin Oh	GEH
Mike Cook	GEH
Jens Andersen	GEH

Enclosure

SUBJECT: SUMMARY OF FEBRUARY 12, 2019, CLOSED TELECONFERENCE MEETING  
WITH PSEG NUCLEAR LLC AND GENERAL ELECTRIC-HITACHI NUCLEAR  
ENERGY TO DISCUSS A GENERAL ELECTRIC PART 21 ISSUE DATED  
FEBRUARY 15, 2019

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JQuichocho, OEDO

JKaizer, NRR

MRazzaque, NRR

CTilton, NRR

JJohnston, NRR

**ADAMS Accession No.: ML19045A470**

OFFICE	NRR/DORL/LPL1/PM	NRR/DORL/LPL1/LA	NRR/DORL/LPL1/BC	NRR/DORL/LPL1/PM
NAME	JKim	LRonewicz	JDanna	JKim
DATE	02/15/2019	02/15/2019	02/15/2019	02/15/2019

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