

UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D.C. 20555-0001 April 27, 2020

LICENSEE: PSEG Nuclear LLC

FACILITY: Salem Nuclear Generating Station, Unit Nos. 1 and 2

SUBJECT: SUMMARY OF APRIL 15, 2020, PRE-SUBMITTAL PUBLIC MEETING WITH PSEG NUCLEAR LLC TO DISCUSS PROPOSED LICENSE AMENDMENTS ON LEAK BEFORE BREAK ANALYSES (EPID L-2020-LRM-0026)

On April 15, 2020, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of PSEG Nuclear LLC (PSEG or the licensee) by teleconference. The purpose of the meeting was to discuss PSEG's proposed license amendment request on leak before break analyses for Salem Nuclear Generating Station, Unit Nos. 1 and 2. The meeting notice and agenda, dated March 31, 2020, are available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML20091H672. A list of attendees is enclosed.

PSEG's presentations slides are available at ADAMS Accession No. ML20104C035. The licensee discussed the leak before break for specific piping attached to reactor coolant system (RCS) primary loops. The licensee specified that the RCS auxiliary lines the license amendment request would consider include the 6-inch safety injection lines, the 10-inch accumulator lines, the 14-inch residual heat removal line, and the 14-inch pressurizer surge line. Also, a PSEG representative discussed the evaluation methods for leak before break using NUREG-0800, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition," Section 3.6.3 criteria.

During the meeting, the following comments were made by the NRC staff:

- Since the pipe material properties change over time, confirm whether the materials used for the in-scope piping are subject to thermal aging.
- Confirm whether the pipe force and moment values used in the leak before break analyses are consistent with the measurement uncertainty recapture values (most recent) instead of the original piping system design values.
- Verify 0.5 gallons per minute (gpm) leak detection based on the 6-inch safety injection leakage crack flow rate is the most limiting case. Include a comparison to the leakage crack flow rate from the original leak before break analyses for the reactor coolant loop piping.
- The licensee does not anticipate changing the current technical specification limit of 1.0 gpm unidentified leakage, even though the 0.5 gpm leak detection is the most limiting case.

PSEG indicated it will address these comments in the license amendment request, which it plans to submit by the end of April 2020.

There were no comments from the members of the public; no public meeting feedback forms were received. No regulatory decisions were made at the meeting.

Please direct any inquiries to me at (301) 415-4125 or James.Kim@nrc.gov.

/**RA**/

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

Docket Nos. 50-272 and 50-311

Enclosure: List of Attendees

cc: Listserv

LIST OF ATTENDEES

APRIL 15, 2020, PRE-SUBMITTAL PUBLIC MEETING WITH PSEG NUCLEAR LLC TO

DISCUSS SALEM NUCLEAR GENERATING STATION, UNIT NOS. 1 AND 2

LEAK-BEFORE-BREAK ANALYSES LICENSE AMENDMENTS

ATTENDEES	ORGANIZATION		
John Tsao	U.S. Nuclear Regulatory Commission (NRC)		
Mark Yoo	NRC		
Seung Min	NRC		
Robert Beaton	NRC		
David Nold	NRC		
Chang Li	NRC		
James Kim	NRC		
Brian Thomas	PSEG Nuclear LLC (PSEG)		
Paul Duke	PSEG		
Sam Markos	PSEG		
Andrew Preston	PSEG		
William McTigue	PSEG		
Robert Page	PSEG		
Tim Giles	PSEG		
Paul Lindsay	PSEG		
Sean Halfhill	Westinghouse		
Eric Johnson	Westinghouse		
Dean Utley	Westinghouse		
Nathan Lang	Westinghouse		
Jerry Humphreys	New Jersey Department of Environmental Protection (NJDEP)		
Elliot Rosenfeld	NJDEP		
Jacob Fakory	NJDEP		
Mehran Mohammadian	Sargent and Lundy		
Craig Harrington	EPRI-MRP		

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ADAMS Accession No.: ML20113F089

OFFICE	NRR/DORL/LPL1/PM	NRR/DORL/LPL1/LA	NRR/DORL/LPL1/BC	NRR/DORL/LPL1/PM
NAME	JKim	LRonewicz	JDanna	JKim
DATE	04/24/2020	04/24/2020	04/27/2020	04/27/2020

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