



**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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DATED APRIL 27, 2020

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MMcCoppin, OEDO

OLopez-Santiago,OEDO

JTsao, NRR

MYoo, NRR

CLi, NRR

SMin, NRR

RBeaton, NRR

DNold, NRR

ADAMS Accession No.: ML20113F089

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NAME	JKim	LRonewicz	JDanna	JKim
DATE	04/24/2020	04/24/2020	04/27/2020	04/27/2020

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