



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

May 4, 2011

LICENSEE: PSEG Nuclear, LLC
FACILITY: Hope Creek Generating Station
SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON
MARCH 25, 2011, BETWEEN THE U.S. NUCLEAR REGULATORY
COMMISSION AND PSEG NUCLEAR, LLC, CONCERNING FINDINGS ON THE
HOPE CREEK GENERATING STATION GAS TURBINE

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of PSEG Nuclear, LLC, and Exelon held a telephone conference call on March 25, 2011, on whether a gas turbine, known as Salem 3, was required to be in the scope of license renewal.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a brief summary of the discussion and status of the item. The applicant had an opportunity to comment on this summary.

A handwritten signature in black ink that reads "Bennett M. Brady".

Bennett M. Brady, Project Manager
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket No. 50-354

Enclosures:

1. List of Participants
2. Summary of meeting discussion

cc w/encls: Listserv

TELEPHONE CONFERENCE CALL
HOPE CREEK GENERATING STATION
LICENSE RENEWAL APPLICATION

LIST OF PARTICIPANTS
MARCH 25, 2011

PARTICIPANTS

AFFILIATIONS

Bennett Brady	U.S. Nuclear Regulatory Commission (NRC)
Rick Ennis	NRC
Ed Smith	NRC
Duc Nguyen	NRC
Cliff Douth	NRC
Bo Pham	NRC
John Hufnagel	Exelon
John Hilditch	Exelon
Al Fulvio	Exelon
Albert Piha	Exelon
Kevin Muggleston	Exelon
Ali Fakhar	PSEG Nuclear (PSEG)
Paul Duke	PSEG

TELEPHONE CONFERENCE CALL
HOPE CREEK GENERATING STATION
LICENSE RENEWAL APPLICATION

SUMMARY OF DISCUSSION

March 25, 2011

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of PSEG Nuclear, LLC (PSEG or the applicant) held a telephone conference call on March 25, 2011, to discuss whether a gas turbine, known as Salem 3, should be in the scope of license renewal.

Hope Creek Generating Station (Hope Creek) has recently submitted a license amendment request (LAR H10-03) to the NRC concerning changing the Tech Specs for the A and B emergency diesel generators (EDGs) to allow a 14-day allowable outage time (AOT). Previously the AOT was 72 hours. On February 14, 2011, in letter LR-N11-0045, PSEG proposed to include the gas turbine generator (aka Salem Unit 3) in the EDG Tech Specs as part of the defense in depth for the 14-day AOT.

The gas turbine had not been scoped as part of license renewal for Hope Creek. In addition, it is not mentioned in the Hope Creek license renewal application or safety evaluation report. The question was whether, if the NRC approves LAR H10-03, the gas turbine generator should be in the scope of license renewal.

The staff noted that the gas turbine did not appear to be in the scope of license renewal by 10 CFR 54.4(a)(1) as it was not safety-related. It was also not in the scope of license renewal by 10 CFR 54.4(a)(3) as it was not required to perform a function that demonstrates compliance with the Commission's regulations for station blackout. The staff asked for a discussion of whether the gas turbine was a non-safety related component whose failure could prevent the satisfactory function of the EDG during the 14-day AOT and thus be in the scope of license renewal by 10 CFR 54.4(a)(2).

During the discussion, it was noted that the gas turbine was

- not required for the station blackout rule or any other regulation
- not a part of the plant design basis
- normally credited in the Hope Creek probabilistic risk assessment (PRA) but not risk-significant and not credited in the Hope Creek PRA for the extended EDG AOT

During plant operations, any three of Hope Creek's four EDGs is capable of mitigating the consequences of a loss of offsite power (LOOP) concurrent with a loss-of-coolant accident or LOOP event while operating at full power. In an extended hot or cold shutdown condition, only two EDGs are required.

The gas turbine was required in the amendment as a defense in depth measure to provide an alternative means of accomplishing the safety functions provided by the EDGs during the 14-day AOT.

ENCLOSURE 2

The staff considered the information provided during the discussion and later informed the applicant that for extended EDG AOTs, the gas turbine, Salem 3, was not within the scope of license renewal because it is considered a temporary component as part of a compensatory measure and is non-safety related.

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/RA/

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ADAMS Accession No.: ML11105A037

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Memorandum to PSEG Nuclear, LLC from B. Brady dated May 4, 2011

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