

Thomas P. Joyce  
President & Chief Nuclear Officer

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OCT 14 2010

10 CFR 50, Appendix E

LR-N10-0355

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

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

Salem Nuclear Generating Station, Units 1 and 2  
Facility Operating License Nos. DPR-70 and 75  
NRC Dockets Nos. 50-272 and 50-311

**SUBJECT: Emergency Action Level Changes**

PSEG Nuclear LLC requests Nuclear Regulatory Commission (NRC) approval for the adoption of revised Emergency Action Levels (EALs) for use at the Hope Creek Generating Station (HCGS) and Salem Nuclear Generating Station (SGS) in accordance with 10 CFR 50, Appendix E, Section IV(B)(1) and 10 CFR 50.4(b)(5). The revised EALs are based on Nuclear Energy Institute 99-01, Revision 5, "Methodology for Development of Emergency Action Levels," dated February 22, 2008 (ADAMS Accession No. ML080450149). Current HCGS and SGS EALs are based on NUMARC/NESP-007.

NRC approval is requested by October 1, 2011, with the EAL changes being implemented within 180 days after approval. The implementation time was selected to allow operator and Emergency Response Organization familiarization prior to the May, 2012 NRC Graded Exercise.

Emergency Preparedness representatives in the States of New Jersey (NJ Bureau of Nuclear Engineering – NJBNE) and Delaware (Delaware Emergency Management Agency – DEMA) have reviewed and are in agreement with the proposed EAL changes.

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Hope Creek Attachments:

Attachment 1 provides the HCGS EAL Technical Bases (strike-out version).

Attachment 2 provides the HCGS EAL Technical Bases (clean version). The Technical Bases document provides an explanation and rationale for each EAL included in the HCGS EAL Upgrade Project.

Attachment 3 provides the HCGS EAL Comparison Matrix, which provides a line-by-line comparison of the EALs contained in NEI 99-01, Revision 5, to the proposed HCGS EALs.

Attachment 4 is a compact disk (CD) containing HCGS EAL supporting documentation.

Salem Attachments:

Attachment 5 provides the SGS EAL Technical Bases (strike-out version).

Attachment 6 provides the SGS EAL Technical Bases (clean version). The Technical Bases document provides an explanation and rationale for each EAL included in the SGS EAL Upgrade Project.

Attachment 7 provides the SGS EAL Comparison Matrix, which provides a line-by-line comparison of the EALs contained in NEI 99-01, Revision 5, to the proposed SGS EALs.

Attachment 8 is a compact disk (CD) containing SGS EAL supporting documentation.

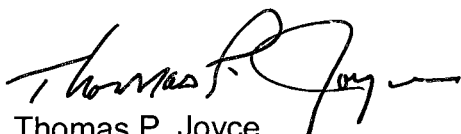
This letter contains no new commitments and no revisions to existing commitments.

Should you have any questions concerning this letter, or require additional information, please contact Lee Marabella at (856) 339-1208 or Craig Banner at (856) 339-1157.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 10/12/10

Sincerely,



Thomas P. Joyce  
President & CNO – PSEG Nuclear, LLC

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Attachments (8)

- Attachment 1: HCGS Emergency Action Level Technical Bases (strike-out version)
- Attachment 2: HCGS Emergency Action Level Technical Bases (clean version)
- Attachment 3: HCGS EAL Comparison Matrix
- Attachment 4: HCGS - CD of Supporting Documentation
- Attachment 5: SGS Emergency Action Level Technical Bases (strike-out version)
- Attachment 6: SGS Emergency Action Level Technical Bases (clean version)
- Attachment 7: SGS EAL Comparison Matrix
- Attachment 8: SGS - CD of Supporting Documentation

C (with enclosures - 2 copies)

Project Manager, Hope Creek Generating Station, Salem Units 1 and 2 and  
Hope Creek, USNRC

C (without enclosures)

Regional Administrator, Region I, USNRC

NRC Resident Inspector, Hope Creek, USNRC

NRC Resident Inspector, Salem Units 1 & 2, USNRC

Corporate Commitment Tracking Coordinator

Manager, NJ Bureau of Nuclear Engineering

Manager, Delaware Emergency Management Agency