



**FEB 27** 2013

Order EA-12-051

LR-N13-0019

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

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

**Subject:** PSEG Nuclear LLC's Overall Integrated Plan for the Hope Creek  
Generating Station in Response to March 12, 2012 Commission Order  
Modifying Licenses with Regard to Requirements for Reliable Spent Fuel  
Pool Instrumentation (Order Number EA-12-051)

**References:**

1. NRC Order Number EA-12-051, "Issuance of Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012.
2. NRC Interim Staff Guidance JLD-ISG-2012-03, "Compliance with Order EA-12-051, Reliable Spent Fuel Pool Instrumentation," Revision 0, dated August 29, 2012.
3. NEI 12-02, "Industry Guidance for Compliance with NRC Order EA-12-051, 'To Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation,'" Revision 1, dated August 2012.
4. PSEG Letter LR-N12-0031, "PSEG Nuclear LLC's Initial Status Report in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Requirements for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)," dated October 31, 2012.

On March 12, 2012, the Nuclear Regulatory Commission ("NRC" or "Commission") issued an Order (Reference 1) to PSEG Nuclear LLC (PSEG). Reference 1 was immediately effective and directs PSEG to have a reliable indication of the water level in spent fuel storage pools. Specific requirements are outlined in Attachment 2 to Reference 1.

Reference 1 requires submission of an overall integrated plan by February 28, 2013. The NRC Interim Staff Guidance (ISG) (Reference 2) was issued August 29, 2012, and endorses industry guidance document NEI 12-02, Revision 1 (Reference 3) with clarifications and exceptions identified in Reference 2. Reference 3 provides direction

regarding the content of this overall integrated plan. The purpose of this letter is to provide the overall integrated plan pursuant to Section IV, Condition C.1, of Reference 1. This letter confirms PSEG has received Reference 2 and has an overall integrated plan complying with the guidance for the purpose of ensuring a reliable indication of the water level in associated spent fuel storage pools capable of supporting identification of required wide range pool water level conditions by trained personnel.

Reference 4 provided the PSEG initial status report regarding reliable spent fuel pool instrumentation, as required by Reference 1. The attached overall integrated plan is based on conceptual design information. Final design details and associated procedure guidance, as well as any revisions to the information contained in Attachment 1, will be provided in the 6-month overall integrated plan updates required by Reference 1.

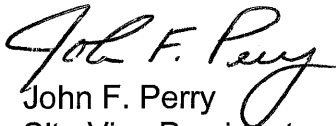
Attachment 1 contains the overall integrated plan for the Hope Creek Generating Station in response to Reference 1. There are no regulatory commitments contained in this letter.

If you have any questions or require additional information, please do not hesitate to contact Mrs. Emily Bauer at 856-339-1023.

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

Executed on 2-27-13  
(Date)

Sincerely,



John F. Perry  
Site Vice President  
Hope Creek Generating Station

Attachment 1 – Reliable Spent Fuel Pool Instrumentation Overall Integrated Plan,  
PSEG Nuclear LLC, Hope Creek Nuclear Generating Station

cc: Mr. E. Leeds, Director of Office of Nuclear Reactor Regulation  
Mr. W. Dean, Administrator, Region I, NRC  
Mr. J. Hughey, Project Manager, NRC  
NRC Senior Resident Inspector, Hope Creek  
Mr. P. Mulligan, Manager IV, NJBNE  
Hope Creek Commitment Tracking Coordinator  
PSEG Corporate Commitment Coordinator