



## State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Division of Environmental Safety and Health  
Radiation Protection and Release Prevention Element  
Bureau of Nuclear Engineering  
PO Box 415  
Trenton, New Jersey 08625-0415  
Phone: (609) 984-7700  
Fax: (609) 984-7513

JON S. CORZINE  
*Governor*

MARK N. MAURIELLO  
*Acting Commissioner*

December 3, 2008

United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555-0001

Gentlemen:

Subject: Hope Creek Generating Station (HCGS)  
Docket No. 50-354  
License Amendment Request (LAR) H08-01

PSEG Nuclear LLC (PSEG) submitted the subject amendment request to the Nuclear Regulatory Commission (NRC) on April 25, 2008. The proposed amendment would revise the applicable Technical Specification to remove the restrictions on the operation of the Hydrogen Water Chemistry (HWC) system at low power while maintaining the required Main Steamline Radiation Monitor (MSLRM) functions. This change will permit the operation of the HWC system at low power levels thereby increasing the time that it is in service.

The New Jersey Department of Environmental Protection's Bureau of Nuclear Engineering reviewed the request in accordance with the requirements of 10 CFR 50.91(b). We have the following comment based on the fact that the Hope Creek power uprate was implemented after the above license amendment request was submitted:

Hope Creek should provide verification that the implementation of the power uprate in 2008 did not result in a significant increase in Main Steam Line background radiation at full power with HWC in service and that the power uprate did not have any adverse impact on the operation of the HWC system at low power.

A001  
LRR

If you have any questions, please contact Jerry Humphreys at (609) 984-7469.

Sincerely,



Patrick Mulligan  
Manager  
Bureau of Nuclear Engineering

- c: P. Bauldauf, New Jersey DEP, Assistant Director
- N. McNamara, NRC Region I State Liaison Officer
- R. Ennis, NRC Hope Creek Project Manager
- B. Welling, NRC Senior Resident Inspector, Hope Creek
- M. Gaffney, PSEG Hope Creek Regulatory Assurance
- C. Neely, PSEG Director - Regulatory Assurance