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U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Office of Nuclear Material Safety and Safeguards  
Washington, DC 20555-0001



HOPE CREEK GENERATING STATION  
FACILITY OPERATING LICENSE NO. NPF-57  
DOCKET NO. 50-354

Subject: Special Report Update – North Plant Vent Radiation Monitoring System (RMS)

Reference: PSEG letter LR-N08-0053, dated March 12, 2008 – “Special Report – North Plant Vent Radiation Monitoring System (RMS)”

This letter provides an update to the Reference correspondence submitted pursuant to the requirements of Hope Creek Technical Specification (TS) 3.3.7.5, “Accident Monitoring Instrumentation” Action 81, due to the North Plant Vent RMS being inoperable for greater than 72 hours.

The Reference noted the North Plant Vent RMS was returned to service (on March 7, 2008) with its flow controller in manual mode with the flow manually set to ensure sufficient sample flow for all conditions (i.e. with margin above the minimum flow required). Procedures were revised to support operation in this configuration. The flow rate is checked during the weekly surveillance of the system.

The Reference stated that replacement parts were being sought to return the flow controller to automatic control. The parts were expected to be available by March 25, 2008. Equipment vendor support was scheduled consistent with the receipt of the parts and it was anticipated that the system would be returned to automatic control by the end of March.

The March 2008 vendor site support visit determined that available second-generation replacement hardware would require a configuration change before it could be installed in our generation equipment. These modified available parts would result in our hardware still being obsolete. It is clear that this option is not going to provide long-term system reliability.

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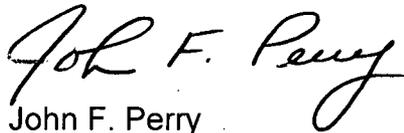
Upgrade of the North Plant Vent sample skid flow control electronics to current technology has been incorporated in the Radiation Monitoring Upgrade project. This project is funded and the installation of new North Plant RMS equipment is currently scheduled for the second quarter 2009.

Until the installation of the new equipment, the flow controller will remain in the current condition as allowed by procedures.

There are no regulatory commitments contained in this correspondence.

Should you have any questions, please contact Mr. Philip J. Duca (856) 339-1640.

Sincerely,



John F. Perry  
Plant Manager – Hope Creek

C Mr. S. Collins, Administrator - Region I  
U. S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

U. S. Nuclear Regulatory Commission  
Mr. R. Ennis, Project Manager - Hope Creek  
Mail Stop 08B3  
Washington, DC 20555-0001

USNRC Senior Resident Inspector - Hope Creek (X24)

Mr. P. Mulligan, Manager IV  
Bureau of Nuclear Engineering  
PO Box 415  
Trenton, NJ 08625