PSEG Nuclear LLC P.O. Box 236, Hancocks Bridge, NJ 08038-1236 tel: 856.339.1100 fax: 856.339.1104

> LR-N05-0017 January 9, 2005

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Mr. Samuel Collins, Regional Administrator United States Nuclear Regulatory Commission Region I 475 Allendale Road King of Prussia, PA 19406-1415

PSEG ACTIONS IN RESPONSE TO NRC CONCERNS REGARDING 'B' REACTOR RECIRCULATION PUMP HOPE CREEK GENERATING STATION DOCKET NO. 50-354

Reference: Telecon Mr. Chris Bakken, PSEG, and Mr. Sam Collins, USNRC January 7, 2005

Dear Mr. Collins:

In response to our telephone discussions on January 7, 2005, this letter documents PSEG Nuclear LLC's (PSEG) commitments regarding the Hope Creek 'B' Reactor Recirculation Pump.

 PSEG will implement a vibration-monitoring program to continuously monitor the 'B' Reactor Recirculation Pump's primary and secondary harmonic parameters (total amplitude, 1X and 2X amplitude, and 1X and 2X phase angle) during future operating cycles. This program shall include establishing objective criteria that demonstrate that monitored parameters are within acceptable range and developing procedures which specify the actions to be taken if the monitored parameters are outside of the specified range of the acceptance criteria. We understand that PSEG procedures HC.OP-AB.RPV-0003(Q), HC.OP-AR.ZZ-0008(Q) Attachment E-4, and HC.ER-AP.BB-0001(Z) Rev. 0, provided by PSEG letter dated January 4, 2005 meet this commitment.

Further, this program will continue until an inspection of the 'B' Reactor Recirculation Pump's rotating assembly and replacement of the pump shaft have been completed. Mr. Samuel Collins LR-N05-0017

- PSEG will notify the NRC prior to implementing any change to the vibration monitoring and operating procedures cited above. This notification will provide sufficient time for the NRC to complete a review of the proposed changes.
- 3) PSEG will replace the 'B' Reactor Recirculation Pump shaft and inspect the pump's rotating assembly and pressure boundary components (such as the pump casing and cover) at the earlier of the next refueling outage (RFO13) or during an outage of sufficient duration to accomplish pump replacement.

During the current refueling outage (RF012) PSEG has completed extensive work directed toward improving equipment reliability and correcting long-standing problems. Attachment 1 provides a summary listing of some of the more significant activities.

Should you have any further questions please contact Christina Perino, Director-Licensing and Nuclear Safety at 856-339-1989.

Very truly yours,

A. Christopher Bakken, III

Attachment

Mr. Samuel Collins LR-N05-0017

Mr. D. Collins, Project Manager Salem & Hope Creek
U. S. Nuclear Regulatory Commission
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USNRC Senior Resident Inspector - HC (X24)

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Document Control Desk USNRC Washington DC 20555 Mr. Samuel Collins LR-N05-0017

Attachment 1

Major work completed during RF12

- Completed replacement of 69 CRD Mechanism and 8 O-Ring replacements (includes Guide Tube Vacuuming of associated guide tubes). This included removal of existing CRDM Exchange Machine and replaced with new equipment
- Performed overhaul and material upgrade of the "B" and "C" Emergency Diesel Generators
- Inspections and valve replacements of "A" Service Water Loop, including coating repairs and installation of WEKO Seals
- Replaced 14 SRV Pilot Assemblies and 9 SRV Bodies
- Replaced "C" EDG Electronic Governor
- Replaced "B" EDG Electronic and Mechanical Governors
- Replaced "B" Reactor Recirc Pump Seal and implemented "B" Reactor Recirc Seal leakoff piping slope modification
- Rebuilt TACS Accumulator Floating Roof
- Repaired the "A" Control Room Chiller Labyrinth Seals
- Performed Internal inspection of all 8 MSIVs
- Repaired Drywell Insulation
- Repaired EDG Exhaust Stacks/Leaks
- Replaced 'A' & 'B' Phase Main Power Transformer
- Performed Fuel Sipping of the entire core
- Installed Digital EHC System
- Completed Reactor Level Setpoint Setdown Modification
- Implemented RX Recirc Vibration Monitoring DCP