



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

March 2, 2007

Mr. William Levis  
President and Chief Nuclear Officer  
PSEG Nuclear LLC - N09  
P. O. Box 236  
Hancocks Bridge, NJ 08038

SUBJECT: ANNUAL ASSESSMENT LETTER - HOPE CREEK GENERATING STATION  
(REPORT 05000354/2007001)

Dear Mr. Levis:

On February 13, 2007, the NRC staff completed its performance review of Hope Creek Generating Station (Hope Creek). Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from January 1 through December 31, 2006. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Exempt from Public Disclosure in accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Overall, Hope Creek operated in a manner that preserved public health and safety and fully met all cornerstone objectives. Plant performance for the most recent quarter, as well as for the first three quarters of the assessment cycle, was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility. We also plan to conduct an inspection to review modifications and other actions related to your power up-rate application.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through June 30, 2008. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the mid-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5069 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

Arthur L. Burritt, Chief  
Reactor Projects Branch 3  
Division of Reactor Projects

Docket Nos. 50-354  
License Nos. NPF-57

Enclosure: Hope Creek Inspection/Activity Plan

cc w/encl:

G. Barnes, Site Vice President  
D. Winchester, Vice President - Nuclear Assessments  
W. F. Sperry, Director of Finance  
M. Massaro, Hope Creek Plant Manager  
J. J. Keenan, General Solicitor, PSEG  
M. Wetterhahn, Esquire, Winston and Strawn, LLP  
Consumer Advocate, Office of Consumer Advocate, Commonwealth of Pennsylvania  
L. A. Peterson, Chief of Police and Emergency Management Coordinator  
P. Baldauf, Assistant Director of Radiation Protection and Release Prevention, State of  
New Jersey  
K. Tosch, Chief, Bureau of Nuclear Engineering, NJ Dept. of Environmental Protection  
H. Otto, Ph.D., Administrator, Interagency Programs, DNREC Division of Water Resources,  
State of Delaware  
N. Cohen, Coordinator - Unplug Salem Campaign  
E. Zobian, Coordinator - Jersey Shore Anti Nuclear Alliance

**Hope Creek**  
**Inspection / Activity Plan**  
**01/01/2007 - 06/30/2008**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		01/08/2007	01/12/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		01/08/2007	01/12/2007	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/08/2007	01/12/2007	Baseline Inspections
	<b>71114</b>	<b>- EP PRGM INSP</b>	<b>1</b>			
1	IP 7111402	Alert and Notification System Testing		04/02/2007	04/06/2007	Baseline Inspections
1	IP 7111403	Emergency Response Organization Augmentation Testing		04/02/2007	04/06/2007	Baseline Inspections
1	IP 7111404	Emergency Action Level and Emergency Plan Changes		04/02/2007	04/06/2007	Baseline Inspections
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		04/02/2007	04/06/2007	Baseline Inspections
1	IP 71151-EP01	Drill/Exercise Performance		04/02/2007	04/06/2007	Baseline Inspections
1	IP 71151-EP02	ERO Drill Participation		04/02/2007	04/06/2007	Baseline Inspections
1	IP 71151-EP03	Alert & Notification System		04/02/2007	04/06/2007	Baseline Inspections
	<b>9/24 EXM</b>	<b>- OPERATOR LICENSING INITIAL EXAMS</b>	<b>3</b>			
1	U01661	FY07 - HOPE CREEK INITIAL OPERATOR LICENSING		08/27/2007	08/31/2007	Not Applicable
1	U01661	FY07 - HOPE CREEK INITIAL OPERATOR LICENSING		09/24/2007	10/05/2007	Not Applicable
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		07/09/2007	07/13/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		07/09/2007	07/13/2007	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		07/09/2007	07/13/2007	Baseline Inspections
	<b>7111117B</b>	<b>- MODS AND 50.59</b>	<b>3</b>			
1	IP 7111102	Evaluation of Changes, Tests, or Experiments		07/16/2007	07/20/2007	Baseline Inspections
1	IP 7111117B	Permanent Plant Modifications		07/16/2007	07/20/2007	Baseline Inspections
	<b>71152B</b>	<b>- PI&amp;R</b>	<b>4</b>			
1	IP 71152B	Identification and Resolution of Problems		09/17/2007	09/21/2007	Baseline Inspections
1	IP 71152B	Identification and Resolution of Problems		09/24/2007	09/28/2007	Baseline Inspections
	<b>7112203</b>	<b>- PUB RAD SAFETY - REMP</b>	<b>1</b>			
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Pr		09/17/2007	09/21/2007	Baseline Inspections
	<b>71004</b>	<b>- POWER UPRATE</b>	<b>2</b>			
1	IP 71004	Power Uprate		10/01/2007	12/31/2007	Other Routine
	<b>7111108G</b>	<b>- IN-SERVICE INSPECTION</b>	<b>1</b>			
1	IP 7111108G	Inservice Inspection Activities - BWR		10/15/2007	10/19/2007	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		10/22/2007	10/26/2007	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		10/22/2007	10/26/2007	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		10/22/2007	10/26/2007	Baseline Inspections

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

**Hope Creek**  
**Inspection / Activity Plan**  
**01/01/2007 - 06/30/2008**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 71151	Performance Indicator Verification		10/22/2007	10/26/2007	Baseline Inspections
	<b>7112202 - PUB RAD SAFETY - RADWASTE</b>		<b>1</b>			
1	IP 7112202	Radioactive Material Processing and Transportation		12/03/2007	12/14/2007	Baseline Inspections
	<b>7112201 - PUB RAD SAFETY - RETS</b>		<b>1</b>			
1	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		01/28/2008	02/01/2008	Baseline Inspections
	<b>7111107B - HEAT SINK INSP</b>		<b>1</b>			
1	IP 7111107B	Heat Sink Performance		02/25/2008	02/29/2008	Baseline Inspections
	<b>71121 - OCC RAD SAFETY</b>		<b>1</b>			
1	IP 7112101	Access Control to Radiologically Significant Areas		05/12/2008	05/16/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		05/12/2008	05/16/2008	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		05/12/2008	05/16/2008	Baseline Inspections

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

Distribution w/encl:

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- Institute of Nuclear Power Operations (INPO)
- Region I Docket Room (with concurrences)

DOCUMENT NAME: S:\ROP-7 EOC Review\2006 ROP-7 Annual Assessment Letters\PDF Merged files\2006 EOC Hope Creek Annual Assessment Ltr.wpd

**SUNSI Review Complete: ALB** (Reviewer's Initials)

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