



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

March 5, 2012

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR HOPE CREEK GENERATING
STATION UNIT 1 (REPORT 05000354/2011001)**

Dear Mr. Joyce:

On February 3, 2012 the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Hope Creek Generating Station (Hope Creek). The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2011 through December 31, 2011. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. This performance review and enclosed inspection plan do not include security information. A separate letter will include the NRC's assessment of your performance in the Security Cornerstone and its security-related inspection plan.

The NRC determined that overall, Hope Creek operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Hope Creek during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2013. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. In addition to the baseline inspection, the NRC will perform portions of Inspection Procedure (IP) 71003, "Post-Approval Site Inspection for License Renewal," to verify implementation of your commitments related to drywell air gap monitoring and Temporary Instruction (TI)-182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping." The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

In accordance with 10 CFR 2.390 of the NRC's Rules of Practice, a copy of this letter will be 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).

Please contact me at 610-337-5069 with any questions you have regarding this letter.

Sincerely,

/RA/

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

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

Enclosure:
Inspection Plan

cc: Distribution via ListServ

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OFFICE <i>mmt</i>	RI/DRP	RI/DRP	RI/DRP		
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DATE	02/27 /12	02/27 /12	02/ 29/12		

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Hope Creek
Inspection / Activity Plan
01/01/2012 - 06/30/2013

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		3/05EXAM - HOPE CREEK INITIAL EXAM		3
1	02/06/2012 02/10/2012	U01845	FY12-HOPE CREEK INITIAL OPERATOR LICENSING EXAM	
1	03/05/2012 03/16/2012	U01845	FY12-HOPE CREEK INITIAL OPERATOR LICENSING EXAM	
		HP - RADIATION SAFETY INSPECTIONS		1
1	03/12/2012 03/16/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/12/2012 03/16/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1	03/12/2012 03/16/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	03/12/2012 03/16/2012	IP 71124.04	Occupational Dose Assessment	
1	03/12/2012 03/16/2012	IP 71124.05	Radiation Monitoring Instrumentation	
		7111108G - INSERVICE INSPECTION		1
1	04/23/2012 04/27/2012	IP 7111108G	Inservice Inspection Activities - BWR	
		HP - RADIATION SAFETY INSPECTIONS		1
1	04/23/2012 04/27/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	04/23/2012 04/27/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1	04/23/2012 04/27/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	04/23/2012 04/27/2012	IP 71124.04	Occupational Dose Assessment	
1	04/23/2012 04/27/2012	IP 71124.05	Radiation Monitoring Instrumentation	
		71003 - POST-APPROVAL SITE INSP FOR LICENSE RENE		1
1	04/30/2012 05/04/2012	IP 71003	Post-Approval Site Inspection for License Renewal	
		EP EXER - EP EXERCISE EVALUATION		5
1	05/21/2012 05/25/2012	IP 7111401	Exercise Evaluation	
1	05/21/2012 05/25/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	
		HP - RADIATION SAFETY INSPECTIONS		1
1	05/14/2012 05/18/2012	IP 60855	Operation Of An ISFSI	
1	05/14/2012 05/18/2012	IP 71124.05	Radiation Monitoring Instrumentation	
1	05/14/2012 05/18/2012	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	05/14/2012 05/18/2012	IP 71124.07	Radiological Environmental Monitoring Program	
		TI 182 - DEGRADATION OF UNDERGROUND PIPING		1
1	07/23/2012 07/27/2012	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
		7111121 - CDBI		7
1	07/30/2012 08/03/2012	IP 7111121	Component Design Bases Inspection	
1	08/13/2012 08/17/2012	IP 7111121	Component Design Bases Inspection	
1	08/27/2012 08/31/2012	IP 7111121	Component Design Bases Inspection	

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

Hope Creek
Inspection / Activity Plan
01/01/2012 - 06/30/2013

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			711111B - REQUAL INSPECTION WITH P/F RESULTS		2
1	10/08/2012	10/12/2012	IP 711111B	Licensed Operator Requalification Program	
			HP - RADIATION SAFETY INSPECTIONS		1
1	09/10/2012	09/14/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	09/10/2012	09/14/2012	IP 71124.04	Occupational Dose Assessment	
1	09/10/2012	09/14/2012	IP 71124.05	Radiation Monitoring Instrumentation	
1	09/10/2012	09/14/2012	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			PI&R - PI&R		4
1	01/28/2013	02/01/2013	IP 71152B	Problem Identification and Resolution	
1	02/11/2013	02/15/2013	IP 71152B	Problem Identification and Resolution	
			EP PROGR - EP PROGRAM INSPECTION		1
1	03/04/2013	03/08/2013	IP 7111402	Alert and Notification System Testing	
1	03/04/2013	03/08/2013	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	03/04/2013	03/08/2013	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	03/04/2013	03/08/2013	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			ISFSI - ISFSI LOADING		2
1	03/01/2013	06/30/2013	IP 60855	Operation Of An ISFSI	
			TRI FI - TRIENNIAL FIRE PROTECTION INSPECTION		3
1	03/18/2013	03/22/2013	IP 7111105T	Fire Protection [Triennial]	
1	04/01/2013	04/05/2013	IP 7111105T	Fire Protection [Triennial]	
			HP - RADIATION SAFETY INSPECTIONS		1
1	05/13/2013	05/17/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	05/13/2013	05/17/2013	IP 71124.05	Radiation Monitoring Instrumentation	
1	05/13/2013	05/17/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	