



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I**  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

March 4, 2013

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 (REPORT 05000354/2012001)**

Dear Mr. Joyce:

On February 12, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Hope Creek Generating Station. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2012, through December 31, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Hope Creek operated in a manner that preserved public health and safety and met all cornerstone objectives. Hope Creek was in the Degraded Cornerstone Column of the NRC's Reactor Oversight Process (ROP) Action Matrix until the most recent quarter, due to one or more greater-than-green inspection findings in the Security Cornerstone. The Cornerstone returned to Green in the fourth quarter 2012, as stated in the Assessment Follow-up Letter for Security dated November 15, 2012 (ML12320A546)<sup>1</sup>. The NRC determined the performance at Hope Creek during the most recent quarter was within the Licensee Response Column because all inspection findings had very low (i.e., green) safety significance, all PIs indicated that your performance was within the nominal, expected range (i.e., green), and the IP 95002 supplemental inspection was successfully completed for the greater-than-green security inspection findings on August 31, 2012. Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. 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 Inspection Procedure 60855.1, "Operation of an ISFSI at Operating Plants," as well as 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

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<sup>1</sup> Designation in parenthesis refers to an ADAMS accession number. Documents referenced in this letter are publicly available using the accession number in ADAMS.

contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security-related inspections, which will be sent via separate, non-publicly available correspondence.

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 Glenn Dentel at (610)-337-5233 with any questions you have regarding this letter.

Sincerely,

**/RA/**

William M. Dean  
Regional Administrator

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

Enclosure: Hope Creek Inspection/Activity Plan

cc w/encl: Distribution via ListServ

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<input checked="" type="checkbox"/> SUNSI Review		<input checked="" type="checkbox"/> Non-Sensitive <input type="checkbox"/> Sensitive		<input checked="" type="checkbox"/> Publicly Available <input type="checkbox"/> Non-Publicly Available	
OFFICE	RI/DRP	RI/DRP	RI/DRP	RI/ORA	
NAME <i>mmt</i>	RMontgomery/RM	GDentel/GTD	DRoberts/DJR	WDean/WMD	
DATE	02/26 /13	02/ 26/13	02/ 27/13	02/ 28/13	

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**Hope Creek**  
**Inspection / Activity Plan**  
**01/01/2013 - 06/30/2014**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>PI&amp;R - PI&amp;R</b>		<b>5</b>
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	
			<b>TRI FI - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>4</b>
1	03/18/2013	03/22/2013	IP 7111105T	Fire Protection [Triennial]	
1	04/01/2013	04/05/2013	IP 7111105T	Fire Protection [Triennial]	
			<b>EP PROGR - EP PROGRAM INSPECTION</b>		<b>2</b>
1	03/25/2013	03/29/2013	IP 7111402	Alert and Notification System Testing	
1	03/25/2013	03/29/2013	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	03/25/2013	03/29/2013	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			<b>8/19 EXM - HOPE CREEK INITIAL EXAM</b>		<b>5</b>
1	07/22/2013	07/26/2013	U01872	FY13-HOPE CREEK INITIAL OPERATOR LICENSING EXAM	
1	08/19/2013	08/21/2013	U01872	FY13-HOPE CREEK INITIAL OPERATOR LICENSING EXAM	
			<b>HP - RADIATION SAFETY INSPECTIONS</b>		<b>1</b>
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	
			<b>60855 - ISFSI LOADING INSPECTION</b>		<b>2</b>
1	06/01/2013	07/31/2013	IP 60855	Operation Of An ISFSI	
1	06/01/2013	07/31/2013	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>HP - RADIATION SAFETY INSPECTIONS</b>		<b>1</b>
1	09/30/2013	10/04/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	09/30/2013	10/04/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1	09/30/2013	10/04/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/30/2013	10/04/2013	IP 71124.04	Occupational Dose Assessment	
1	09/30/2013	10/04/2013	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>7111108G - INSERVICE INSPECTION</b>		<b>1</b>
1	10/14/2013	10/18/2013	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>HP - RADIATION SAFETY INSPECTIONS</b>		<b>1</b>
1	10/21/2013	10/25/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/21/2013	10/25/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/21/2013	10/25/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	10/21/2013	10/25/2013	IP 71124.04	Occupational Dose Assessment	
1	10/21/2013	10/25/2013	IP 71124.05	Radiation Monitoring Instrumentation	

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

**Hope Creek**  
**Inspection / Activity Plan**  
**01/01/2013 - 06/30/2014**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>71124.08 - RADWASTE</b>		<b>1</b>
1	12/16/2013	12/20/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>MODS - PERMANENT PLANT MODIFICATIONS</b>		<b>4</b>
1	05/05/2014	05/09/2014	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			<b>71124 - REMP</b>		<b>1</b>
1	05/12/2014	05/16/2014	IP 71124.07	Radiological Environmental Monitoring Program	
			<b>MODS - PERMANENT PLANT MODIFICATIONS</b>		<b>4</b>
1	05/19/2014	05/23/2014	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			<b>EP EXER - EP EXERCISE INSPECTION</b>		<b>1</b>
1	05/19/2014	05/23/2014	IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	
			<b>TI-182 - DEGRAD UNDERGROUND PIPING - PHASE 2</b>		<b>1</b>
1	06/02/2014	06/06/2014	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	

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