



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

September 1, 2010

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

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN – HOPE CREEK  
GENERATING STATION

Dear Mr. Joyce:

On August 10, 2010, 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 July 1, 2009 through June 30, 2010. 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 security information. A separate letter designated and marked as "Official Use Only--Security Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at Hope Creek 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.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through December 31, 2011. 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 end-of-cycle review.

If circumstances arise that 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.

T. Joyce

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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).

Sincerely,

A handwritten signature in black ink, appearing to read "Arthur L. Burritt". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

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

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

Enclosure: Hope Creek Generating Station Inspection / Activity Plan

cc w/encl: Distribution via ListServ

T. Joyce

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Sincerely,

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

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

Enclosure: Hope Creek Generating Station Inspection / Activity Plan

cc w/encl: Distribution via ListServ

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RidsNrrDirslpab Resource  
RidsNrrPMHopeCreek Resource  
RidsNrrDorLpl1-2 Resource  
ROPreportsResource@nrc.gov

**SUNSI REVIEW COMPLETE: ALB (Reviewer's Initials) ML102440337**

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OFFICE	<i>mmt</i>	RI/DRP	RI/DRP	RI/DRP
NAME		BWelling/ LC for	LCline/ LC	ABurritt/ ALB
DATE		08/ 31/10	08/31/10	08/ 31/10

OFFICIAL RECORD COPY

Hope Creek  
 Inspection / Activity Plan  
 07/01/2010 - 12/31/2011

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>8/23EXAM - INITIAL OPERATOR LICENSING EXAM</b>		<b>5</b>
1	07/26/2010	07/30/2010	U01788	FY10 - HOPE CREEK OPERATOR LICENSING EXAM	
1	08/23/2010	09/03/2010	U01788	FY10 - HOPE CREEK OPERATOR LICENSING EXAM	
			<b>7111111 - REQUAL INSP WITH P/F RESULTS</b>		<b>3</b>
1	09/20/2010	09/24/2010	IP 7111111B	Licensed Operator Requalification Program	
			<b>71002 - LICENSE RENEWAL INSPECTION</b>		<b>6</b>
1	08/09/2010	08/13/2010	IP 71002	License Renewal Inspection	
1	08/26/2010	08/26/2010	IP 71002	License Renewal Inspection	
			<b>TI-177 - MANAGING GAS ACCUMULATION IN ECCS</b>		<b>3</b>
1	08/30/2010	09/03/2010	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	
			<b>71124 - HP</b>		<b>1</b>
1	09/13/2010	09/17/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	09/13/2010	09/17/2010	IP 71124.02	Occupational ALARA Planning and Controls	
1	09/13/2010	09/17/2010	IP 71124.05	Radiation Monitoring Instrumentation	
1	09/13/2010	09/17/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	09/13/2010	09/17/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			<b>ISFSI - 60855.1 - ISFSI (DRS INSPECTION)</b>		<b>2</b>
1	09/27/2010	10/01/2010	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>71124 - HP</b>		<b>1</b>
1	10/18/2010	10/22/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/18/2010	10/22/2010	IP 71124.02	Occupational ALARA Planning and Controls	
			<b>7111108G - INSERVICE INSPECTION</b>		<b>1</b>
1	10/25/2010	10/29/2010	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>71152 - PI&amp;R</b>		<b>1</b>
1	01/10/2011	01/14/2011	IP 71152B	Identification and Resolution of Problems	
1	01/24/2011	01/28/2011	IP 71152B	Identification and Resolution of Problems	
			<b>71124 - HP</b>		<b>1</b>
1	02/28/2011	03/04/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	02/28/2011	03/04/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	02/28/2011	03/04/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
			<b>EP PROGR - EP PROGRAM INSPECTION</b>		<b>1</b>
1	03/14/2011	03/18/2011	IP 7111402	Alert and Notification System Testing	
1	03/14/2011	03/18/2011	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	03/14/2011	03/18/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	03/14/2011	03/18/2011	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	

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

**Hope Creek**  
**Inspection / Activity Plan**  
 07/01/2010 - 12/31/2011

Unit Number	Planned Dates Start      End		Inspection Activity	Title	No. of Staff on Site
<b>EP PROGR - EP PROGRAM INSPECTION</b>					<b>1</b>
1	03/14/2011	03/18/2011	IP 71151-EP01	Drill/Exercise Performance	
1	03/14/2011	03/18/2011	IP 71151-EP02	ERO Drill Participation	
1	03/14/2011	03/18/2011	IP 71151-EP03	Alert & Notification System	
<b>7111117 - PERMANENT PLANT MODIFICATIONS</b>					<b>3</b>
1	04/04/2011	04/08/2011	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1	04/18/2011	04/22/2011	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
<b>7111107T - TRIENNIAL HEAT SINK</b>					<b>1</b>
1	05/16/2011	05/20/2011	IP 7111107T	Heat Sink Performance	
<b>71124 - HP</b>					<b>1</b>
1	05/16/2011	05/20/2011	IP 2515/179	Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	
1	05/16/2011	05/20/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	05/16/2011	05/20/2011	IP 71124.04	Occupational Dose Assessment	
1	05/16/2011	05/20/2011	IP 71124.05	Radiation Monitoring Instrumentation	
<b>71124 - REMP</b>					<b>1</b>
1	07/25/2011	07/29/2011	IP 71124.07	Radiological Environmental Monitoring Program	
<b>71124 - HP</b>					<b>1</b>
1	09/19/2011	09/23/2011	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
1	09/19/2011	09/23/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	09/19/2011	09/23/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	09/19/2011	09/23/2011	IP 71124.04	Occupational Dose Assessment	
<b>71124 - RADWASTE</b>					<b>1</b>
1	12/12/2011	12/16/2011	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	

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