



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

March 3, 2010

Mr. Thomas Joyce
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
(05000354/2010001)

Dear Mr. Joyce:

On February 9, 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 January 1 through December 31, 2009. 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.

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.

The staff identified that there were four green inspection findings for the current 12-month assessment period in the area of human performance with a documented cross-cutting aspect of procedural compliance (H.4(b))¹. This theme was first identified in May 2009. In evaluating your scope of efforts and progress in addressing this cross-cutting theme, the staff determined that you identified the problem with procedural compliance, recognized that the problem affected multiple areas, performed a common cause evaluation, and initiated appropriate corrective actions. The staff judged these actions to be effective based on no new NRC findings related to procedure compliance in the last six months as well as a reduction in the number of less significant issues as tracked by your human performance related metrics. Therefore, the staff has concluded that a substantive cross-cutting issue in human performance does not exist at this time.

¹ This is a descriptor that correlates to this cross-cutting aspect in Inspection Manual Chapter 0310, "Components Within the Cross-Cutting Areas"

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through June 30, 2011. In addition to the baseline inspections, we plan to conduct an inspection related to license renewal. 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,

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

cc: w/encls: Distribution via ListServ
Hope Creek Generating Station Inspection/Activity Plan

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through June 30, 2011. In addition to the baseline inspections, we plan to conduct an inspection related to license renewal. 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.

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

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OFFICE	RI/DRP	RI/DRP	RI/DRP
NAME	BWelling/ ALB for	LCline/ ALB for	ABurritt/ ALB
DATE	02/ 24/09	02/24 /09	03/ 02 /09

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Hope Creek
Inspection / Activity Plan

01/01/2010 - 06/30/2011

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	01/25/2010	01/29/2010	71124 - RETS	Radiation Monitoring Instrumentation	1
1	01/25/2010	01/29/2010	IP 71124.05	Radioactive Gaseous and Liquid Effluent Treatment	1
1	02/23/2010	02/23/2010	TI-180 - PROCEDURES & PROCESSES- MANAGING FATIGUE	Inspection of Procedures and Processes for Managing Fatigue	1
1	03/01/2010	03/05/2010	IP 2515/180		1
1	03/01/2010	03/05/2010	71124 - HP	Radiological Hazard Assessment and Exposure Controls	1
1	03/01/2010	03/05/2010	IP 71124.01	Occupational ALARA Planning and Controls	1
1	03/01/2010	03/05/2010	IP 71124.02	Occupational Dose Assessment	1
1	03/22/2010	03/26/2010	TRI FIRE - TRIENNIAL FIRE PROTECTION INSPECTION		4
1	03/22/2010	03/26/2010	IP 7111105T	Fire Protection [Triennial]	4
1	04/05/2010	04/09/2010	IP 7111105T	Fire Protection [Triennial]	4
1	07/26/2010	07/30/2010	8/23EXAM - INITIAL OPERATOR LICENSING EXAM		4
1	08/23/2010	09/03/2010	U01788	FY10 - HOPE CREEK OPERATOR LICENSING EXAM	4
1	08/23/2010	09/03/2010	U01788	FY10 - HOPE CREEK OPERATOR LICENSING EXAM	4
1	05/17/2010	05/21/2010	EP EX - EP EXERCISE EVALUATION		4
1	05/17/2010	05/21/2010	IP 7111401	Exercise Evaluation	4
1	05/17/2010	05/21/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	4
1	05/17/2010	05/21/2010	IP 71151-EP01	Drill/Exercise Performance	4
1	05/17/2010	05/21/2010	IP 71151-EP02	ERO Drill Participation	4
1	05/17/2010	05/21/2010	IP 71151-EP03	Alert & Notification System	4
1	09/20/2010	09/24/2010	7111111 - REQUAL INSP WITH P/F RESULTS		3
1	09/20/2010	09/24/2010	IP 711111B	Licensed Operator Requalification Program	3
1	08/09/2010	08/13/2010	71002 - LICENSE RENEWAL INSPECTION		4
1	08/23/2010	08/27/2010	IP 71002	License Renewal Inspection	4
1	08/23/2010	08/27/2010	IP 71002	License Renewal Inspection	4
1	08/30/2010	09/03/2010	TI-177 - MANAGING GAS ACCUMULATION IN ECCS		3
1	08/30/2010	09/03/2010	IP 2515/177	Managing Gas Accumulation In Emergency Core Cooling, Decay Heat Removal & Containment Spray System	3
1	09/13/2010	09/17/2010	71124 - HP		1
1	09/13/2010	09/17/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
1	09/13/2010	09/17/2010	IP 71124.02	Occupational ALARA Planning and Controls	1
1	09/13/2010	09/17/2010	IP 71124.05	Radiation Monitoring Instrumentation	1
1	09/13/2010	09/17/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	1
1	09/13/2010	09/17/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	1

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

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	10/18/2010	10/22/2010	71124 - HP		1
			IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	10/18/2010	10/22/2010	IP 71124.02	Occupational ALARA Planning and Controls	
1	10/25/2010	10/29/2010	7111108G - INSERVICE INSPECTION		1
			IP 7111108G	Inservice Inspection Activities - BWR	
1	01/10/2011	01/14/2011	71152 - PI&R		1
			IP 71152B	Identification and Resolution of Problems	
1	01/24/2011	01/28/2011	IP 71152B	Identification and Resolution of Problems	
1	02/28/2011	03/04/2011	71124 - HP		1
			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	
1	03/14/2011	03/18/2011	EP PROGR - EP PROGRAM INSPECTION		1
			IP 7111402	Radiological Environmental Monitoring Program	
1	03/14/2011	03/18/2011	IP 7111403	Emergency Response Organization Augmentation Testing	
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	
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	
1	04/04/2011	04/08/2011	711117 - PERMANENT PLANT MODIFICATIONS		3
			IP 711117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1	04/18/2011	04/22/2011	IP 711117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1	05/16/2011	05/20/2011	7111107T - TRIENNIAL HEAT SINK		1
			IP 7111107T	Heat Sink Performance	
1	05/16/2011	05/20/2011	71124 - HP		1
			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	

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