



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

September 1, 2011

Mr. George H. Gellrich, Vice President
Calvert Cliffs Nuclear Power Plant, LLC
Constellation Energy Nuclear Group, LLC
1650 Calvert Cliffs Parkway
Lusby, Maryland 20657-4702

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -
CALVERT CLIFFS NUCLEAR POWER PLANT UNITS 1 AND 2
(REPORT 05000317/2011006 AND 05000318/2011006)

Dear Mr. Gellrich:

On August 10, 2011, the U. S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of Calvert Cliffs Nuclear Power Plant (CCNPP) Units 1 and 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from July 1, 2010, through June 30, 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 the performance at CCNPP Units 1 and 2 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). On March 18, 2011, the NRC completed a supplemental inspection for an emergency diesel generator White finding at Calvert Cliffs Unit 2 and determined that Constellation appropriately addressed the root and contributing causes, extent of condition and corrective actions. The White finding was removed from the assessment process resulting in Calvert Cliffs Unit 2 transitioning from the Regulatory Response Column to the Licensee Response Column of the NRC's Action Matrix. Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2012. 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 end-of-cycle performance review. 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.

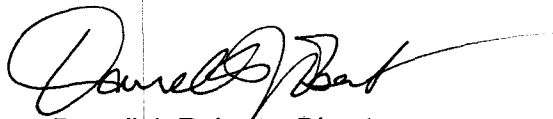
In the days following the Fukushima Daiichi nuclear accident in Japan, the Commission directed the staff to establish a senior-level agency task force to conduct a methodical and systematic review of the NRC's processes and regulations to determine whether the agency should make additional improvements to its regulatory system. The NRC has since completed Temporary Instruction (TI) 183, "Follow-up to Fukushima Daiichi Nuclear Station Fuel Damage Event," and TI-184, "Availability and Readiness Inspection of Severe Accident Management Guidelines (SAMGs)" at your facility. Results of these inspections can be found here:

<http://www.nrc.gov/japan/japan-activities.html>. Additionally, on May 11, 2011, the agency issued NRC Bulletin 2011-01, "Mitigating Strategies," to confirm compliance with Order EA-02-026, subsequently imposed license conditions, and 10 CFR 50.54(hh)(2), and to determine the status of licensee mitigating strategies programs. On July 12, 2011, the NRC's Task Force made its recommendations to the Commission in its report, "Recommendations for Enhancing Reactor Safety in the 21st Century: The Near-Term Task Force Review of Insights from the Fukushima Daiichi Accident." The NRC is currently reviewing the Task Force's recommendations to determine what additional actions may be warranted.

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,



Darrell J. Roberts, Director
Division of Reactor Projects

Docket Nos. 50-317, 50-318
License Nos. DPR-53, DPR-69

Enclosure: Calvert Cliffs Inspection / Activity Plan

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/RA/

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Enclosure: Calvert Cliffs Inspection / Activity Plan

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NAME		NSPerry/NSP*		GTDentel/GTD*	DJRoberts/DJR
DATE		08/18/11		08/18/11	08/30/11
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Calvert Cliffs

Inspection / Activity Plan

07/01/2011 - 12/31/2012

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			7111117 - PERMANENT PLANT MODIFICATIONS		3
1,2	06/27/2011	07/01/2011	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1,2	07/11/2011	07/15/2011	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			71124.07 - REMP		1
1,2	07/11/2011	07/15/2011	IP 71124.07	Radiological Environmental Monitoring Program	
1	07/11/2011	07/15/2011	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			71124.01 - RAD HAZARD ASSESS, ALARA, AIR, DOSE		1
1,2	08/29/2011	09/02/2011	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
1,2	08/29/2011	09/02/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	08/29/2011	09/02/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	08/29/2011	09/02/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	08/29/2011	09/02/2011	IP 71124.04	Occupational Dose Assessment	
1,2	08/29/2011	09/02/2011	IP 71124.05	Radiation Monitoring Instrumentation	
			EP EX - EP EXERCISE INSPECTION		4
1,2	09/12/2011	09/16/2011	IP 7111401	Exercise Evaluation	
1,2	09/12/2011	09/16/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	09/12/2011	09/16/2011	IP 71151-EP01	Drill/Exercise Performance	
1,2	09/12/2011	09/16/2011	IP 71151-EP02	ERO Drill Participation	
1,2	09/12/2011	09/16/2011	IP 71151-EP03	Alert & Notification System	
			711111B - REQUAL INSP W/ P/F RESULTS		2
1,2	11/14/2011	11/18/2011	IP 7111111B	Licensed Operator Requalification Program	
			71152B - PI&R		4
1,2	10/24/2011	10/28/2011	IP 71152B	Problem Identification and Resolution	
1,2	11/14/2011	11/18/2011	IP 71152B	Problem Identification and Resolution	
			71124.01 - RAD HAZARD ASSESS, ALARA		1
1,2	12/05/2011	12/09/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	12/05/2011	12/09/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	12/05/2011	12/09/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	12/05/2011	12/09/2011	IP 71124.04	Occupational Dose Assessment	
1,2	12/05/2011	12/09/2011	IP 71124.05	Radiation Monitoring Instrumentation	
2	12/05/2011	12/09/2011	IP 71151-OR01	Occupational Exposure Control Effectiveness	
			7111108P - U1 INSERVICE INSPECTION		1
1	02/13/2012	02/24/2012	IP 7111108P	Inservice Inspection Activities - PWR	

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

Calvert Cliffs

Inspection / Activity Plan

07/01/2011 - 12/31/2012

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		71124 - RADIATION SAFETY INSPECTION		1
1,2	03/04/2012 03/08/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	03/04/2012 03/08/2012	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	03/04/2012 03/08/2012	IP 71124.04	Occupational Dose Assessment	
		8/13EXAM - CALVERT CLIFFS INITIAL EXAM		5
1	07/16/2012 07/20/2012	U01849	FY12-CALVERT CLIFFS INITIAL OPERATOR LICENSING EXAM	
1	08/13/2012 08/24/2012	U01849	FY12-CALVERT CLIFFS INITIAL OPERATOR LICENSING EXAM	
		71124.05 - OCC RDA SAFETY-INSTRUMENTS		1
1,2	05/07/2012 05/11/2012	IP 71124.05	Radiation Monitoring Instrumentation	
		711121 - CDBI		6
1,2	05/21/2012 05/25/2012	IP 711121	Component Design Bases Inspection	
1,2	06/04/2012 06/08/2012	IP 711121	Component Design Bases Inspection	
1,2	06/18/2012 06/22/2012	IP 711121	Component Design Bases Inspection	
		EP PROGR - EP PROGRAM INSPECTION		1
1,2	07/30/2012 08/03/2012	IP 7111402	Alert and Notification System Testing	
1,2	07/30/2012 08/03/2012	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	07/30/2012 08/03/2012	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1,2	07/30/2012 08/03/2012	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	

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