



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

September 3, 2013

Mr. George H. Gellrich, Vice President  
Calvert Cliffs Nuclear Power Plant  
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 & 2 (REPORT 05000317/2013006  
AND 05000318/2013006)**

Dear Mr. Gellrich:

On August 15, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its mid-cycle performance review of Calvert Cliffs Nuclear Power Plant Units 1 and 2 (Calvert Cliffs). The NRC reviewed the most recent quarterly performance indicators in addition to inspection results and enforcement actions from July 1, 2012, through June 30, 2013. 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, Calvert Cliffs operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Calvert Cliffs 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 safety significance (Green), and all performance indicators demonstrated that your performance was within the nominal, expected range (Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through December 31, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition to baseline inspections, the NRC will perform Inspection Procedure (IP) 71003, "Post-Approval Site Inspection for License Renewal," IP 60855.1, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," and Temporary Instruction 2515/182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks- Phase II." 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. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

G. Gellrich

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In accordance with Title 10 of the *Code of Federal Regulations* Section 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 the NRC's Agencywide Documents Access and Management 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) 337-5262 with any questions you have regarding this letter.

Sincerely,

*/RA/*

Daniel L. Schroeder, Chief  
Projects Branch 1  
Division of Reactor Projects

Docket Nos: 50-317 and 50-318  
License Nos: DPR-53 and DPR-69

Enclosure: Calvert Cliffs Inspection/Activity Plan

cc w/encl: Distribution via ListServ

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DATE	08/26/13	08/26/13	09/03/13		

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**Calvert Cliffs**  
**Inspection / Activity Plan**  
**07/01/2013 - 12/31/2014**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>71124 - RADIATION SAFETY INSPECTION</b>		<b>1</b>
1,2	07/15/2013	07/19/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	07/15/2013	07/19/2013	IP 71124.04	Occupational Dose Assessment	
			<b>PI&amp;R - PI&amp;R</b>		<b>4</b>
1,2	09/09/2013	09/13/2013	IP 71152B	Problem Identification and Resolution	
1,2	09/23/2013	09/27/2013	IP 71152B	Problem Identification and Resolution	
			<b>EP EXER - EP EXERCISE INSPECTION</b>		<b>2</b>
1,2	08/19/2013	10/25/2013	IP 7111408	Exercise Evaluation – Scenario Review	
1,2	10/21/2013	10/25/2013	IP 7111401	Exercise Evaluation	
			<b>7111111B - CALVERT REQUAL INSP WITH P/F RESULTS</b>		<b>2</b>
1,2	11/18/2013	11/22/2013	IP 7111111B	Licensed Operator Requalification Program	
			<b>TRI FI - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>4</b>
1,2	10/21/2013	10/25/2013	IP 7111105T	Fire Protection [Triennial]	
1,2	11/04/2013	11/08/2013	IP 7111105T	Fire Protection [Triennial]	
			<b>71124 - RADIATION SAFETY INSPECTION</b>		<b>1</b>
1,2	12/09/2013	12/13/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	12/09/2013	12/13/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	12/09/2013	12/13/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	12/09/2013	12/13/2013	IP 71124.04	Occupational Dose Assessment	
1,2	12/09/2013	12/13/2013	IP 71151	Performance Indicator Verification	
			<b>7111108P - U1 INSERVICE INSPECTION</b>		<b>1</b>
1	02/17/2014	02/28/2014	IP 7111108P	Inservice Inspection Activities - PWR	
			<b>71003 - U1 LR COMMITMENTS PHASE 1 INSP - OUTAGE</b>		<b>1</b>
1	02/24/2014	02/28/2014	IP 71003	Post-Approval Site Inspection for License Renewal	
			<b>71124 - RADIATION SAFETY INSPECTION</b>		<b>1</b>
1,2	02/24/2014	02/28/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	02/24/2014	02/28/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	02/24/2014	02/28/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	02/24/2014	02/28/2014	IP 71124.04	Occupational Dose Assessment	
1,2	02/24/2014	02/28/2014	IP 71151	Performance Indicator Verification	
			<b>TI 182 - DEGRAD UNDERGROUND PIPING - PHASE 2</b>		<b>1</b>
1,2	03/10/2014	03/14/2014	IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
			<b>8/25EXAM - CALVERT CLIFFS INITIAL EXAM</b>		<b>4</b>
1	07/28/2014	08/01/2014	U01886	FY14-CALVERT CLIFFS INITIAL OPERATOR LICENSING EXAM	

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

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**Inspection / Activity Plan**  
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			<b>8/25EXAM - CALVERT CLIFFS INITIAL EXAM</b>		<b>4</b>
1	08/25/2014	09/04/2014	U01886	FY14-CALVERT CLIFFS INITIAL OPERATOR LICENSING EXAM	
			<b>71124 - RADIATION SAFETY RETS</b>		<b>1</b>
1,2	05/05/2014	05/09/2014	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1,2	05/05/2014	05/09/2014	IP 71151	Performance Indicator Verification	
			<b>7111107T - TRIENNIAL HEAT SINK</b>		<b>1</b>
1,2	05/19/2014	05/23/2014	IP 7111107T	Heat Sink Performance	
			<b>71003 - U1 LR COMMITMENTS PHASE 2 INSPEC</b>		<b>4</b>
1	05/19/2014	05/23/2014	IP 71003	Post-Approval Site Inspection for License Renewal	
1	06/02/2014	06/06/2014	IP 71003	Post-Approval Site Inspection for License Renewal	
			<b>ISFSI - ISFSI ROUTINE INSPECTION</b>		<b>2</b>
1,2	08/04/2014	08/08/2014	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			<b>MODS - PERMANENT PLANT MODIFICATIONS</b>		<b>4</b>
1,2	09/22/2014	09/26/2014	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
1,2	10/06/2014	10/10/2014	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			<b>71124 - RADIATION SAFETY RAD INSTRUMENTS</b>		<b>1</b>
1,2	10/20/2014	10/24/2014	IP 71124.05	Radiation Monitoring Instrumentation	
			<b>EP PROGR - EP PROGRAM INSPECTION</b>		<b>1</b>
1,2	11/17/2014	11/21/2014	IP 7111402	Alert and Notification System Testing	
1,2	11/17/2014	11/21/2014	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1,2	11/17/2014	11/21/2014	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			<b>71124 - RADIATION SAFETY</b>		<b>1</b>
1,2	12/08/2014	12/12/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1,2	12/08/2014	12/12/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1,2	12/08/2014	12/12/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1,2	12/08/2014	12/12/2014	IP 71124.04	Occupational Dose Assessment	

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