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

March 4, 2013

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR CALVERT CLIFFS NUCLEAR POWER PLANT UNITS 1 & 2 (REPORT 05000317/2012001 AND 05000318/2012001)

Dear Mr. Gellrich,

On February 15, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of Calvert Cliffs Nuclear Power Plant Units 1 & 2 (Calvert Cliffs). The NRC reviewed the most recent quarterly performance indicators, 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, Calvert Cliffs operated in a manner that preserved public health and safety and met all cornerstone objectives. Calvert Cliffs was in the Regulatory Response Column of the NRC's Reactor Oversight Process Action Matrix until the third quarter 2012, due to one or more greater-than-green security cornerstone inputs as described in inspection report 05000317/2011403 and 05000318/2011403 dated July 27, 2011. The NRC determined the performance at Calvert Cliffs during the third quarter 2012 was within the Licensee Response Column because all inspection findings had very low (i.e., green) safety significance, all performance indicators demonstrated that your performance was within the nominal, expected range (i.e., Green), and a supplemental inspection was successfully completed for the greater-than-green inputs on December 15, 2011. Therefore, the NRC plans to conduct Reactor Oversight Process 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 baseline inspections, the NRC will perform Inspection Procedure (IP) 71003, "Post-Approval Site Inspection for License Renewal," and Temporary Instruction (TI) TI-182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks." 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.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) Part 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 Document 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 Daniel Schroeder at (610) 337-5262 with any questions you have regarding this letter.

Sincerely,

/RA/

Darrell J. Roberts, Director
Division of Reactor Projects

Docket Nos.: 50-317, 50-318
License Nos.: DPR-53, DPR-54

Enclosure: Inspection Plan

cc w/encl: Distribution via ListServ

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☑ SUNSI Review		☑ Non-Sensitive ☐ Sensitive		☑ Publicly Available ☐ Non-Publicly Available	
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DATE	02/26/13	02/26/13	02/26/13	03/04/13	

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Calvert Cliffs
Inspection / Activity Plan
01/01/2013 - 06/30/2014

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			7111108P	**- U2 INSERVICE INSPECTION**	**1**
2	02/25/2013	03/01/2013	IP 7111108P	Inservice Inspection Activities - PWR	
			71124	**- RADIATION SAFETY INSPECTION**	**1**
1, 2	02/25/2013	03/01/2013	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	02/25/2013	03/01/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	02/25/2013	03/01/2013	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	02/25/2013	03/01/2013	IP 71124.04	Occupational Dose Assessment	
			71124.08	**- RADWASTE**	**1**
1, 2	04/08/2013	04/12/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			71124	**- RADIATION SAFETY INSPECTION**	**1**
1, 2	05/06/2013	05/10/2013	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	05/06/2013	05/10/2013	IP 71151	Performance Indicator Verification	
			71124	**- RADIATION SAFETY INSPECTION**	**1**
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	
			PI&R	**- PI&R**	**5**
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	
			7111111B	**- CALVERT REQUAL INSP WITH P/F RESULTS**	**2**
1, 2	11/18/2013	11/22/2013	IP 7111111B	Licensed Operator Requalification Program	
			EP EXER	**- EP EXERCISE INSPECTION**	**2**
1, 2	10/21/2013	10/25/2013	IP 7111401	Exercise Evaluation	
			TRI FI	**- TRIENNIAL FIRE PROTECTION INSPECTION**	**4**
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]	
			71124	**- RADIATION SAFETY INSPECTION**	**1**
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	
			7111108P	**- U1 INSERVICE INSPECTION**	**1**
1	02/17/2014	02/28/2014	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
01/01/2013 - 06/30/2014

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			71003	**- U1 LR COMMITMENTS PHASE 1 INSP - OUTAGE**	**1**
1	02/24/2014	02/28/2014	IP 71003	Post-Approval Site Inspection for License Renewal	
			71124	**- RADIATION SAFETY INSPECTION**	**1**
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	
			TI 182	**- DEGRAD UNDERGROUND PIPING - PHASE 2**	**1**
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	
			71124	**- RADIATION SAFETY RETS**	**1**
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	
			7111107T	**- TRIENNIAL HEAT SINK**	**1**
1, 2	05/19/2014	05/23/2014	IP 7111107T	Heat Sink Performance	
			71003	**- U1 LR COMMITMENTS PHASE 2 INSPEC**	**4**
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	

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