



**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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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 End	Inspection Activity	Title	No. of Staff on Site
2	02/25/2013 03/01/2013	7111108P - U2 INSERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	1
1,2	02/25/2013 03/01/2013	71124 - RADIATION SAFETY INSPECTION IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
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	
1,2	04/08/2013 04/12/2013	71124.08 - RADWASTE IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	1
1,2	05/06/2013 05/10/2013	71124 - RADIATION SAFETY INSPECTION IP 71124.07	Radiological Environmental Monitoring Program	1
1,2	05/06/2013 05/10/2013	IP 71151	Performance Indicator Verification	
1,2	07/15/2013 07/19/2013	71124 - RADIATION SAFETY INSPECTION IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	1
1,2	07/15/2013 07/19/2013	IP 71124.04	Occupational Dose Assessment	
1,2	09/09/2013 09/13/2013	PI&R - PI&R IP 71152B	Problem Identification and Resolution	5
1,2	09/23/2013 09/27/2013	IP 71152B	Problem Identification and Resolution	
1,2	11/18/2013 11/22/2013	7111111B - CALVERT REQUAL INSP WITH P/F RESULTS IP 7111111B	Licensed Operator Requalification Program	2
1,2	10/21/2013 10/25/2013	EP EXER - EP EXERCISE INSPECTION IP 7111401	Exercise Evaluation	2
1,2	10/21/2013 10/25/2013	TRI FI - TRIENNIAL FIRE PROTECTION INSPECTION IP 7111105T	Fire Protection [Triennial]	4
1,2	11/04/2013 11/08/2013	IP 7111105T	Fire Protection [Triennial]	
1,2	12/09/2013 12/13/2013	71124 - RADIATION SAFETY INSPECTION IP 71124.01	Radiological Hazard Assessment and Exposure Controls	1
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	
1	02/17/2014 02/28/2014	7111108P - U1 INSERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	1

## 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
1	02/24/2014	02/28/2014	<b>71003</b> IP 71003	<b>- U1 LR COMMITMENTS PHASE 1 INSP - OUTAGE</b> Post-Approval Site Inspection for License Renewal	1
1, 2	02/24/2014	02/28/2014	<b>71124</b> IP 71124.01	<b>- RADIATION SAFETY INSPECTION</b> Radiological Hazard Assessment and Exposure Controls	1
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	
1, 2	03/10/2014	03/14/2014	<b>TI 182</b> IP 2515/182	<b>- DEGRAD UNDERGROUND PIPING - PHASE 2</b> Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	1
1, 2	05/05/2014	05/09/2014	<b>71124</b> IP 71124.06	<b>- RADIATION SAFETY RETS</b> Radioactive Gaseous and Liquid Effluent Treatment	1
1, 2	05/05/2014	05/09/2014	IP 71151	Performance Indicator Verification	
1, 2	05/19/2014	05/23/2014	<b>711107T</b> IP 711107T	<b>- TRIENNIAL HEAT SINK</b> Heat Sink Performance	1
1	05/19/2014	05/23/2014	<b>71003</b> IP 71003	<b>- U1 LR COMMITMENTS PHASE 2 INSPEC</b> Post-Approval Site Inspection for License Renewal	4
1	06/02/2014	06/06/2014	IP 71003	Post-Approval Site Inspection for License Renewal	