



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

March 5, 2012

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

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR CALVERT CLIFFS NUCLEAR POWER
PLANT UNITS 1 AND 2 (REPORT 05000317/2011001 AND 05000318/2011001)**

Dear Mr. Gellrich:

On February 15, 2012, the U. S. Nuclear Regulatory Commission (NRC) completed its end-of-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 January 1, 2011 through December 31, 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 that overall, CCNPP Units 1 and 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. 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). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2013. 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. 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 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 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 Glenn Dentel at (610) 337-5233 with any questions you have regarding this letter.

Sincerely,

/RA/

John R. Tappert, Acting Director
Division of Reactor Projects

Docket Nos. 50-317, 50-318

License Nos. DPR-53, DPR-69

Enclosure: Calvert Cliffs Inspection / Activity Plan

cc w/encl: Distribution via ListServ

Please contact Glenn Dentel at (610) 337-5233 with any questions you have regarding this letter.

Sincerely,

/RA/

John R. Tappert, Acting Director
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Enclosure: Calvert Cliffs Inspection / Activity Plan

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OFFICE	RI/DRP	RI/DRP	RI/DRP		
NAME	NPerry/via email	GDentel	JTappert		
DATE	02/28/12	02/27/12	02/28/12		

OFFICIAL RECORD COPY

Calvert Cliffs
Inspection / Activity Plan
01/01/2012 - 06/30/2013

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	02/15/2012	02/29/2012	7111108P - U1 INSERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	1
1, 2	03/04/2012	03/08/2012	71124 - RADIATION SAFETY INSPECTION IP 71124.02	Occupational ALARA Planning and Controls	1
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	
1	07/16/2012	07/20/2012	8/13EXAM - CALVERT CLIFFS INITIAL EXAM U01849	FY12-CALVERT CLIFFS INITIAL OPERATOR LICENSING EXAM	5
1	08/13/2012	08/24/2012	U01849	FY12-CALVERT CLIFFS INITIAL OPERATOR LICENSING EXAM	
1, 2	05/14/2012	05/18/2012	TI 182 - DEGRADATION OF UNDERGROUND PIPING IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	1
1, 2	05/21/2012	05/25/2012	7111121 - CDBI IP 7111121	Component Design Bases Inspection	7
1, 2	06/04/2012	06/08/2012	IP 7111121	Component Design Bases Inspection	
1, 2	06/18/2012	06/22/2012	IP 7111121	Component Design Bases Inspection	
1, 2	07/01/2012	11/30/2012	ISFSI - ISFSI LOADING IP 60855	Operation Of An ISFSI	1
1, 2	07/23/2012	07/27/2012	71124.05 - OCC RAD SAFETY-INSTRUMENTS IP 71124.05	Radiation Monitoring Instrumentation	1
1, 2	07/30/2012	08/03/2012	EP PROGR - EP PROGRAM INSPECTION IP 7111402	Alert and Notification System Testing	1
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	
1, 2	09/10/2012	09/14/2012	71124.06 - RETS INSPECTION IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	1
1, 2	09/10/2012	09/14/2012	IP 71151-PR01	RETS/ODCM Radiological Effluent	
1, 2	12/03/2012	12/07/2012	71124 - RAD HAZARD AND ALARA INSPECTION IP 60855	Operation Of An ISFSI	1
1, 2	12/03/2012	12/07/2012	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	12/03/2012	12/07/2012	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	12/03/2012	12/07/2012	IP 71151-OR01	Occupational Exposure Control Effectiveness	
2	02/11/2013	02/15/2013	7111108P - U2 INSERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	1

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

Calvert Cliffs

Inspection / Activity Plan

01/01/2012 - 06/30/2013

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
2	02/25/2013	03/01/2013	7111108P - U2 INSERVICE INSPECTION	Inservice Inspection Activities - PWR	1
1, 2	02/25/2013	03/01/2013	71124 - RADIATION SAFETY INSPECTION	Radiological Hazard Assessment and Exposure Controls	1
1, 2	02/25/2013	03/01/2013	IP 71124.01	Occupational ALARA Planning and Controls	
1, 2	02/25/2013	03/01/2013	IP 71124.02	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	02/25/2013	03/01/2013	IP 71124.03	Occupational Dose Assessment	
1, 2	02/25/2013	03/01/2013	IP 71124.04		
1, 2	04/15/2013	04/19/2013	71124.08 - RADWASTE	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	1
1, 2	05/06/2013	05/10/2013	71124 - RADIATION SAFETY INSPECTION	Radiological Environmental Monitoring Program	1
1, 2	05/06/2013	05/10/2013	IP 71124.07	Performance Indicator Verification	
1, 2	05/06/2013	05/10/2013	IP 71151		
1, 2	05/06/2013	05/10/2013	PI&R - PI&R	Problem Identification and Resolution	4
1, 2	05/20/2013	05/24/2013	IP 71152B	Problem Identification and Resolution	