

August 30, 2004

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

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - CALVERT  
CLIFFS NUCLEAR POWER PLANT

Dear Mr. Vanderheyden:

On August 4, 2004, the NRC completed its mid-cycle plant performance assessment of the Calvert Cliffs Nuclear Power Plant. The mid-cycle review for Calvert Cliffs involved the participation of all technical divisions in evaluating performance for the first half of the calendar year 2004 assessment cycle. The process included a review of performance indicators (PIs) for the most recent quarter and the inspection results over the previous twelve months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility so that you will have the opportunity to prepare for these inspections and inform us of any planned inspections that may conflict with your plant activities. This performance review and enclosed inspection plan do not include physical protection information. A separate letter designated and marked as "Proprietary Information in accordance with 10 CFR 2.390(d)(1)" will include the physical protection review and resultant inspection plan.

Plant performance for the most recent quarter was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct only reactor oversight process (ROP) baseline inspections at your facility through March 31, 2006. However, the significance of a Unit 2 finding regarding a relay failure that caused the steam dump valves to fail open following a January 23, 2004, trip is still under review as part of the Significance Determination Process (NRC Inspection Report 2004-008).

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2006. The inspection plan is provided to minimize the resource impact on your staff and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last twelve months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system

Mr. George Vanderheyden

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(ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.govreading-room/adams.html> (Public Electronic Reading Room).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (610) 337-5186 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

James M. Trapp, Chief  
Projects Branch 1  
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:

M. J. Wallace, President, Constellation Generation  
J. M. Heffley, Senior Vice President and Chief Nuclear Officer  
President, Calvert County Board of Commissioners  
J. M. Petro, Esquire, Constellation Energy Group, Inc.  
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State of Maryland (2)  
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NAME	NPerry/ <b>NSP</b>		JTrapp/ <b>JMT</b>				
DATE	08/25/04		08/30/04		08/ /04		08/ /04

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**Calvert Cliffs**  
**Inspection / Activity Plan**  
**07/01/2004 - 03/31/2006**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>71114</b>	<b>- EP PROGRAM INSPECT &amp; PI VERIF</b>	<b>1</b>			
1, 2	IP 7111402	Alert and Notification System Testing		07/12/2004	07/16/2004	Baseline Inspections
1, 2	IP 7111403	Emergency Response Organization Augmentation Testing		07/12/2004	07/16/2004	Baseline Inspections
1, 2	IP 7111404	Emergency Action Level and Emergency Plan Changes		07/12/2004	07/16/2004	Baseline Inspections
1, 2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		07/12/2004	07/16/2004	Baseline Inspections
	<b>7111401</b>	<b>- EXERCISE EVALUATION</b>	<b>4</b>			
1, 2	IP 7111401	Exercise Evaluation		10/04/2004	10/08/2004	Baseline Inspections
	<b>711112B</b>	<b>- MAINTENANCE RULE</b>	<b>1</b>			
1, 2	IP 711112B	Maintenance Effectiveness		12/13/2004	12/17/2004	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		12/13/2004	12/17/2004	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		12/13/2004	12/17/2004	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		12/13/2004	12/17/2004	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		12/13/2004	12/17/2004	Baseline Inspections
	<b>7112203</b>	<b>- PUB RAD SAFETY - REMP</b>	<b>1</b>			
1, 2	IP 7112203	Radiological Environmental Monitoring Program		12/13/2004	12/17/2004	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		01/31/2005	02/04/2005	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		01/31/2005	02/04/2005	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/31/2005	02/04/2005	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		01/31/2005	02/04/2005	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		02/21/2005	02/25/2005	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		02/21/2005	02/25/2005	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		02/21/2005	02/25/2005	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		02/21/2005	02/25/2005	Baseline Inspections
	<b>7111108P</b>	<b>- INSERVICE INSPECTION - U2</b>	<b>3</b>			
2	IP 2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Bulletin 2002-02)		02/25/2005	02/27/2005	Safety Issues
2	IP 7111108P	Inservice Inspection Activities - PWR		02/28/2005	03/04/2005	Baseline Inspections
	<b>7112201</b>	<b>- PUB RAD SAFETY - RETS</b>	<b>1</b>			
1, 2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		07/25/2005	07/29/2005	Baseline Inspections
	<b>7111401</b>	<b>- EXERCISE EVALUATION &amp; EP PI VERIFICATION</b>	<b>1</b>			
1, 2	IP 7111401	Exercise Evaluation		09/26/2005	09/30/2005	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		09/26/2005	09/30/2005	Baseline Inspections

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

**Calvert Cliffs**  
**Inspection / Activity Plan**  
**07/01/2004 - 03/31/2006**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		10/10/2005	10/14/2005	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		10/10/2005	10/14/2005	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		10/10/2005	10/14/2005	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		10/10/2005	10/14/2005	Baseline Inspections
	<b>71152B</b>	<b>- PROBLEM IDENTIFICATION AND RESOLUTION</b>	<b>4</b>			
1, 2	IP 71152B	Identification and Resolution of Problems		10/31/2005	11/04/2005	Baseline Inspections
1, 2	IP 71152B	Identification and Resolution of Problems		11/14/2005	11/18/2005	Baseline Inspections
	<b>7112202</b>	<b>- PUB RAD SAFETY - RADWASTE</b>	<b>1</b>			
1, 2	IP 7112202	Radioactive Material Processing and Transportation		10/24/2005	10/28/2005	Baseline Inspections
	<b>711111B</b>	<b>- LO REQUAL PROGRAM INSPECTION</b>	<b>2</b>			
1, 2	IP 711111B	Licensed Operator Requalification Program		12/05/2005	12/09/2005	Baseline Inspections
	<b>SSDI</b>	<b>- SSDI</b>	<b>7</b>			
1, 2	IP 7111121	Safety System Design and Performance Capability		01/09/2006	01/13/2006	Baseline Inspections
1, 2	IP 7111121	Safety System Design and Performance Capability		01/23/2006	01/27/2006	Baseline Inspections
	<b>MODS</b>	<b>- MODS &amp; 50.59</b>	<b>3</b>			
1, 2	IP 7111102	Evaluation of Changes, Tests, or Experiments		01/23/2006	01/27/2006	Baseline Inspections
1, 2	IP 711117B	Permanent Plant Modifications		01/23/2006	01/27/2006	Baseline Inspections
	<b>71121</b>	<b>- OCC RADIATION SAFETY</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		01/30/2006	02/03/2006	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		01/30/2006	02/03/2006	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/30/2006	02/03/2006	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		01/30/2006	02/03/2006	Baseline Inspections
	<b>3/16+EXM</b>	<b>- OPERATOR LICENSING INITIAL EXAM</b>	<b>1</b>			
1	U01585	CALVERT CLIFFS INITIAL EXAM (3/06)		02/06/2006	02/10/2006	Not Applicable
1	U01585	CALVERT CLIFFS INITIAL EXAM (3/06)		03/06/2006	03/10/2006	Not Applicable
	<b>HEATSINK</b>	<b>- HEAT SINK</b>	<b>2</b>			
1, 2	IP 7111107B	Heat Sink Performance		02/20/2006	02/24/2006	Baseline Inspections