



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

September 2, 2008

Mr. James A. Spina, Vice President
Calvert Cliffs Nuclear Power Plant, Inc.
Constellation Generation Group, LLC
1650 Calvert Cliffs Parkway
Lusby, MD 20657-4702

**SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN – CALVERT
CLIFFS NUCLEAR POWER PLANT (REPORT 05000317/2008001 AND
05000318/2008001)**

Dear Mr. Spina:

On August 6, 2008, the NRC staff completed its performance review of Calvert Cliffs Nuclear Power Plant for the first half of the calendar year 2008 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and 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.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only--Security Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at Calvert Cliffs Units 1 and 2 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 reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through December 31, 2009. In addition to baseline inspections, we plan on conducting an independent spent fuel storage installation (ISFSI) inspection. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review.

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

J. Spina

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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) 337-5233 with any questions you may have regarding this letter or the inspection plan.

Sincerely,
/RA Original Signed By:/

Glenn T. Dentel, Chief
Reactor Projects Branch 1
Division of Reactor Projects

Docket Nos. 50-317, 50-318
License Nos. DRP-53, DRP-69

Enclosure: Calvert Cliffs Nuclear Power Plant Inspection/ Activity Plan

ccw/encl.

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H. Barron, President, CEO, & Chief Nuclear Officer, Constellation Energy Nuclear Group, LLC
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S. Pattison, SLO (2)

Calvert Cliffs 2
Inspection / Activity Plan
08/01/2008 - 12/31/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	71121 - OCC RAD SAFETY		1			
2	IP 7112101	Access Control to Radiologically Significant Areas		08/25/2008	08/29/2008	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		08/25/2008	08/29/2008	Baseline Inspections
2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/25/2008	08/29/2008	Baseline Inspections
2	IP 71151	Performance Indicator Verification		08/25/2008	08/29/2008	Baseline Inspections
	TI 176 - TI 176		2			
2	IP 2515/176	Emergency Diesel Generator Tech Spec Surveillance Requirements Re: Endurance & Margin		09/22/2008	09/26/2008	Generic Safety Inspectio
	7111107T - HEAT SINK		1			
2	IP 7111107T	Heat Sink Performance		10/20/2008	10/24/2008	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
2	IP 7112101	Access Control to Radiologically Significant Areas		11/03/2008	11/07/2008	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		11/03/2008	11/07/2008	Baseline Inspections
2	IP 71151	Performance Indicator Verification		11/03/2008	11/07/2008	Baseline Inspections
	TI 172 - TI 172 RCS DISSIMILAR METAL BUTT WELDS		1			
2	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds		11/17/2008	11/21/2008	Generic Safety Inspectio
	EP - EP PROGRAM INSP		2			
2	IP 7111402	Alert and Notification System Testing		11/17/2008	11/21/2008	EP Baseline Inspection
2	IP 7111403	Emergency Response Organization Augmentation Testing		11/17/2008	11/21/2008	EP Baseline Inspection
2	IP 7111404	Emergency Action Level and Emergency Plan Changes		11/17/2008	11/21/2008	EP Baseline Inspection
2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		11/17/2008	11/21/2008	EP Baseline Inspection
2	IP 71151-EP01	Drill/Exercise Performance		11/17/2008	11/21/2008	Baseline Inspections
2	IP 71151-EP02	ERO Drill Participation		11/17/2008	11/21/2008	Baseline Inspections
2	IP 71151-EP03	Alert & Notification System		11/17/2008	11/21/2008	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
2	IP 7112101	Access Control to Radiologically Significant Areas		01/19/2009	01/23/2009	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		01/19/2009	01/23/2009	Baseline Inspections
2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/19/2009	01/23/2009	Baseline Inspections
2	IP 71151-OR01	Occupational Exposure Control Effectiveness		01/19/2009	01/23/2009	Baseline Inspections
	7111108P - U2 INSERVICE INSPECTION		1			
2	IP 7111108P	Inservice Inspection Activities - PWR		02/23/2009	02/27/2009	Baseline Inspections
2	IP 7111108P	Inservice Inspection Activities - PWR		03/02/2009	03/06/2009	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
2	IP 7112101	Access Control to Radiologically Significant Areas		03/02/2009	03/06/2009	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		03/02/2009	03/06/2009	Baseline Inspections
2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		03/02/2009	03/06/2009	Baseline Inspections

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

Calvert Cliffs 2
Inspection / Activity Plan
08/01/2008 - 12/31/2009

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	71121 - OCC RAD SAFETY		1			
2	IP 71151-OR01	Occupational Exposure Control Effectiveness		03/02/2009	03/06/2009	Baseline Inspections
	TI-172 - U2 TI-172 RCS DISSIMILAR METAL WELDS		1			
2	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds		03/02/2009	03/06/2009	Generic Safety Inspectio
	7112202 - PUB RAD SAFETY - RADWASTE		1			
2	IP 7112202	Radioactive Material Processing and Transportation		06/15/2009	06/19/2009	Baseline Inspections
	7111121 - CDBI		6			
2	IP 7111121	Component Design Bases Inspection		08/03/2009	08/07/2009	Baseline Inspections
2	IP 7111121	Component Design Bases Inspection		08/17/2009	08/21/2009	Baseline Inspections
2	IP 7111121	Component Design Bases Inspection		08/24/2009	08/28/2009	Baseline Inspections
	7112203 - PUB RAD SAFETY - REMP		1			
2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		08/03/2009	08/07/2009	Baseline Inspections
2	IP 71151-PR01	RETS/ODCM Radiological Effluent		08/03/2009	08/07/2009	Baseline Inspections
	7111111B - BIENNIAL REQUAL INSP WITH P/F RESULTS		3			
2	IP 7111111B	Licensed Operator Requalification Program		11/16/2009	11/20/2009	Baseline Inspections
	EP EXER - EP EXERCISE INSPECTION		2			
2	IP 7111401	Exercise Evaluation		10/18/2009	10/24/2009	EP Baseline Inspection
2	IP 7111404	Emergency Action Level and Emergency Plan Changes		10/18/2009	10/24/2009	EP Baseline Inspection
2	IP 71151-EP01	Drill/Exercise Performance		10/18/2009	10/24/2009	Baseline Inspections
2	IP 71151-EP02	ERO Drill Participation		10/18/2009	10/24/2009	Baseline Inspections
2	IP 71151-EP03	Alert & Notification System		10/18/2009	10/24/2009	Baseline Inspections
	71152B - PI&R BIENNIAL TEAM		4			
2	IP 71152B	Identification and Resolution of Problems		11/02/2009	11/06/2009	Baseline Inspections
2	IP 71152B	Identification and Resolution of Problems		11/16/2009	11/20/2009	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
2	IP 7112101	Access Control to Radiologically Significant Areas		12/07/2009	12/11/2009	Baseline Inspections
2	IP 7112102	ALARA Planning and Controls		12/07/2009	12/11/2009	Baseline Inspections
2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		12/07/2009	12/11/2009	Baseline Inspections
2	IP 71151-OR01	Occupational Exposure Control Effectiveness		12/07/2009	12/11/2009	Baseline Inspections

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Calvert Cliffs 1
Inspection / Activity Plan
08/01/2008 - 12/31/2009

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	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		08/25/2008	08/29/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		08/25/2008	08/29/2008	Baseline Inspections
1	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		08/25/2008	08/29/2008	Baseline Inspections
1	IP 71151	Performance Indicator Verification		08/25/2008	08/29/2008	Baseline Inspections
	ISFSI - ISFSI - ANNUAL SAMPLE		1			
1	IP 60855	Operation Of An ISFSI		08/25/2008	08/29/2008	Other Routine
	TI 176 - TI 176		2			
1	IP 2515/176	Emergency Diesel Generator Tech Spec Surveillance Requirements Re: Endurance & Margin		09/22/2008	09/26/2008	Generic Safety Inspectio
	7111107T - HEAT SINK		1			
1	IP 7111107T	Heat Sink Performance		10/20/2008	10/24/2008	Baseline Inspections
	71121 - OCC RAD SAFETY		1			
1	IP 7112101	Access Control to Radiologically Significant Areas		11/03/2008	11/07/2008	Baseline Inspections
1	IP 7112102	ALARA Planning and Controls		11/03/2008	11/07/2008	Baseline Inspections
1	IP 71151	Performance Indicator Verification		11/03/2008	11/07/2008	Baseline Inspections
	TI 172 - TI 172 RCS DISSIMILAR METAL BUTT WELDS		1			
1	IP 2515/172	Reactor Coolant System Dissimilar Metal Butt Welds		11/17/2008	11/21/2008	Generic Safety Inspectio
	EP - EP PROGRAM INSP		2			
1	IP 7111402	Alert and Notification System Testing		11/17/2008	11/21/2008	EP Baseline Inspection
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1	IP 7111404	Emergency Action Level and Emergency Plan Changes		11/17/2008	11/21/2008	EP Baseline Inspection
1	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		11/17/2008	11/21/2008	EP Baseline Inspection
1	IP 71151-EP01	Drill/Exercise Performance		11/17/2008	11/21/2008	Baseline Inspections
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1	IP 71151-EP03	Alert & Notification System		11/17/2008	11/21/2008	Baseline Inspections
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	ISFSI	- ISFSI INSPECTION - ANNUAL SAMPLE	2			
1	IP 60855	Operation Of An ISFSI		04/01/2009	06/30/2009	Other Routine
	7112202	- PUB RAD SAFETY - RADWASTE	1			
1	IP 7112202	Radioactive Material Processing and Transportation		06/15/2009	06/19/2009	Baseline Inspections
	7111121	- CDBI	6			
1	IP 7111121	Component Design Bases Inspection		08/03/2009	08/07/2009	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		08/17/2009	08/21/2009	Baseline Inspections
1	IP 7111121	Component Design Bases Inspection		08/24/2009	08/28/2009	Baseline Inspections
	7112203	- PUB RAD SAFETY - REMP	1			
1	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program		08/03/2009	08/07/2009	Baseline Inspections
1	IP 71151-PR01	RETS/ODCM Radiological Effluent		08/03/2009	08/07/2009	Baseline Inspections
	7111111B	- BIENNIAL REQUAL INSP WITH P/F RESULTS	3			
1	IP 7111111B	Licensed Operator Requalification Program		11/16/2009	11/20/2009	Baseline Inspections
	EP EXER	- EP EXERCISE INSPECTION	2			
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1	IP 71151-EP03	Alert & Notification System		10/18/2009	10/24/2009	Baseline Inspections
	71152B	- PI&R BIENNIAL TEAM	4			
1	IP 71152B	Identification and Resolution of Problems		11/02/2009	11/06/2009	Baseline Inspections
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	71121	- OCC RAD SAFETY	1			
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