

May 31, 2001

Mr. Charles H. Cruse  
Vice President  
Constellation Nuclear  
Calvert Cliffs Nuclear Power Plant, Inc.  
1650 Calvert Cliffs Parkway  
Lusby, MD 20657-4702

SUBJECT: ANNUAL ASSESSMENT LETTER - CALVERT CLIFFS NUCLEAR POWER PLANT

Dear Mr. Cruse:

On May 8, 2001, the NRC staff completed its end-of-cycle plant performance assessment of the Calvert Cliffs Nuclear Power Plant. The review involved the participation of all technical divisions in evaluating performance indicators for the most recent quarter and inspection results for the period of April 1, 2000 to March 31, 2001. 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. On June 26, 2001, at 2:00 p.m., we plan to discuss this assessment with you and your staff in a meeting at the Calvert Cliffs Visitor and Education Center. The meeting will be open for public observation.

Overall, Calvert Cliffs operated in a manner that preserved public health and safety and satisfied all cornerstone objectives during this 12-month assessment period. Plant performance for the most recent quarter was within the Regulatory Response Column of the NRC's Action Matrix, based on the "white" performance indicator for the Unit 1 Reactor Safety, Initiating Events - Scrams with Loss of Normal Heat Removal (LONHR) cornerstone. This performance indicator has been "white" since the first calendar quarter of 2000. A supplemental inspection, completed in November 2000, concluded that your staff had not evaluated the recent scrams with LONHR in sufficient detail to fully understand common causes and performance problems contributing to these events. Accordingly, we were unable to achieve the objectives of our supplemental inspection and we scheduled additional inspector follow-up during the annual Problem, Identification, and Resolution (PI&R) team inspection. The results of the PI&R team inspection are pending. Subject to the results of the PI&R inspection, we plan to conduct the baseline inspections during the next year, as well as, various specialist inspections to review the activities associated with the replacement of Unit 1 steam generators and an inspection of the independent spent fuel storage installation.

Enclosure 1 details the scheduled inspections that will occur through May 31, 2002. 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.

For your information, the NRC is in the process of aligning the inspection and assessment cycle with the calendar year. In order to transition to a calendar year cycle (January 1- December 31), the next inspection and assessment cycle will consist of only three quarters (i.e. the second, third and fourth calendar quarters of CY 2001). As a result, a quarterly review will be conducted for the third calendar quarter (July 1- September 30) in lieu of a mid-cycle review. The impact on the inspection plan, which is included as Enclosure 1, is minimal.

In accordance with 10 CFR 2.790 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/NRC/ADAMS/index.html> (the Public Electronic Reading Room). Our assessment process and terminology are further described in the NRC Reactor Oversight Process Web site at <http://www.nrc.gov/NRR/OVERSIGHT/index.html>.

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact Michele G. Evans, Chief, Projects Branch 1, at 610-337-5224 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

*/RA/*

Richard V. Crlenjak, Deputy Director  
Division of Reactor Projects

Docket Nos. 05000317  
05000318  
License Nos. DPR-53  
DPR-69

Enclosure: Calvert Cliffs Nuclear Power Plant Inspection / Activity Plan

cc w/encl:

B. Montgomery, Director, Nuclear Regulatory Matters (CCNPPI)  
R. McLean, Administrator, Nuclear Evaluations  
J. Walter, Engineering Division, Public Service Commission of Maryland  
K. Burger, Esquire, Maryland People's Counsel  
R. Ochs, Maryland Safe Energy Coalition  
State of Maryland (2)  
D. Hale, President, Calvert County Commissioners  
J. Newcomb, Dorchester County Commissioner  
J. Randall, President, St. Mary's County Commissioners

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NAME	WCook <b>/WAC/</b>		MEvans <b>/MGE/</b>		RCrlenjak <b>/ARB for/</b>	
DATE	05/30/01		05/31/01		05/31/01	

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**Calvert Cliffs**  
**Inspection / Activity Plan**  
**06/01/2001 - 05/31/2002**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
<b>7111105T - FIRE PROTECTION</b>			<b>3</b>			
1, 2	IP 7111105T	Fire Protection		08/27/2001	08/31/2001	Baseline Inspections
1, 2	IP 7111105T	Fire Protection		09/10/2001	09/14/2001	Baseline Inspections
<b>60855 - ISFSI INSPECTION</b>			<b>1</b>			
1, 2	IP 60855	Operation Of An ISFSI		07/09/2001	07/13/2001	Other Routine
<b>7112202 - RADWASTE</b>			<b>1</b>			
1, 2	IP 7112202	Radioactive Material Processing and Transportation		08/27/2001	08/31/2001	Baseline Inspections
<b>7111401 - EP EXERCISE EVALUATION</b>			<b>6</b>			
1, 2	IP 7111401	Exercise Evaluation		09/24/2001	09/28/2001	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		09/24/2001	09/28/2001	Baseline Inspections
<b>71121 - OCC RAD SAFETY</b>			<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		10/22/2001	10/26/2001	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation		10/22/2001	10/26/2001	Baseline Inspections
1, 2	IP 71151	Performance Indicator Verification		10/22/2001	10/26/2001	Baseline Inspections
<b>7111111B - LIC OPER RQ INSP</b>			<b>2</b>			
1, 2	IP 7111111B	Licensed Operator Requalification		11/12/2001	11/16/2001	Baseline Inspections
<b>71121 - OCC RAD SAFETY</b>			<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		12/10/2001	12/14/2001	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		12/10/2001	12/14/2001	Baseline Inspections
<b>7111121 - SSDI</b>			<b>5</b>			
1, 2	IP 7111102	Evaluation of Changes, Tests, or Experiments		01/07/2002	01/12/2002	Baseline Inspections
1, 2	IP 7111121	Safety System Design and Performance Capability		01/07/2002	01/12/2002	Baseline Inspections
1, 2	IP 7111121	Safety System Design and Performance Capability		01/21/2002	01/25/2002	Baseline Inspections
<b>50001 - STEAM GENERATOR REPLACEMENT INSPECTION</b>			<b>4</b>			
1	IP 50001	Steam Generator Replacement Inspection		01/01/2002	03/30/2002	Other Routine
<b>7112201 - PUB RAD SAFETY - RETS</b>			<b>1</b>			
1, 2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		01/14/2002	01/18/2002	Baseline Inspections
<b>7111107B - HEAT SINK</b>			<b>1</b>			
1, 2	IP 7111107B	Heat Sink Performance		02/11/2002	02/15/2002	Baseline Inspections
<b>71121 - OCC RAD SAFETY</b>			<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		03/11/2002	03/15/2002	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		03/11/2002	03/15/2002	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation		03/11/2002	03/15/2002	Baseline Inspections
<b>7111108 - INSERVICE INSPECTION</b>			<b>1</b>			
1, 2	IP 7111108	Inservice Inspection Activities		03/18/2002	03/22/2002	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**  
**06/01/2001 - 05/31/2002**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>71130</b>	<b>- SECURITY</b>	<b>1</b>			
1, 2	IP 7113001	Access Authorization Program (Behavior Observation Only)		04/08/2002	04/12/2002	Baseline Inspections
1, 2	IP 7113002	Access Control (Search of Personnel, Packages, and Vehicles: Identification and Authorizatio		04/08/2002	04/12/2002	Baseline Inspections
	<b>50001</b>	<b>- STEAM GENERATOR REPLACEMENT INSPECTION</b>	<b>4</b>			
1	IP 50001	Steam Generator Replacement Inspection		04/01/2002	05/15/2002	Other Routine
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		05/13/2002	05/17/2002	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		05/13/2002	05/17/2002	Baseline Inspections
1, 2	IP 7112103	Radiation Monitoring Instrumentation		05/13/2002	05/17/2002	Baseline Inspections

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