

**Kevin J. Nietmann**  
Plant General Manager  
Calvert Cliffs Nuclear Power Plant  
Constellation Generation Group, LLC

1650 Calvert Cliffs Parkway  
Lusby, Maryland 20657  
410 495-4101  
410 495-4787 Fax



August 25, 2004

U. S. Nuclear Regulatory Commission  
Washington, DC 20555

**ATTENTION:** Document Control Desk

**SUBJECT:** Calvert Cliffs Nuclear Power Plant  
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318  
Special Report: National Pollutant Discharge Elimination System Discharge  
Permit 02-DP-0187 Calvert Cliffs Nuclear Power Plant

---

**REFERENCE:** (a) Calvert Cliffs Nuclear Power Plant, Appendix B, Environmental  
Protection Plan (Non-Radiological) Technical Specifications, Section 3.2.1

In accordance with Reference (a), Attachment (1), provides a copy of a Calvert Cliffs Nuclear Power Plant Report to the Maryland Department of the Environment. This report documents the discovery of a lack of monitoring for the auxiliary boiler blowdown effluent (monitoring point 103 A) between June 1, 2004, when the permit requirement became effective, and July 30, 2004, when the lack of monitoring was discovered.

The cause of the unanticipated discharge was determined to be an incorrect pump line-up (automatic vs. manual). Revisions to site procedures will ensure compliance with the applicable monitoring frequency and analysis type.

Should you have questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,

A handwritten signature in black ink, appearing to read "Kevin J. Nietmann".

for Kevin J. Nietmann  
Plant General Manager

KJN/JTJ/bjd

**Attachment:** Letter to Maryland Department of the Environment, dated August 4, 2004, NPDES  
Discharge Permit 02-DP-0187, Calvert Cliffs Nuclear Power Plant

**cc:** J. Petro, Esquire  
J. E. Silberg, Esquire  
R. V. Guzman, NRC

S. J. Collins, NRC  
Resident Inspector, NRC  
R. I. McLean, DNR

IE25

**ATTACHMENT (1)**

---

**Letter to Maryland Department of the Environment,**

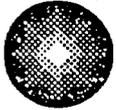
**dated August 4, 2004,**

**NPDES Discharge Permit 02-DP-0187, Calvert Cliffs Nuclear Power Plant**

---

---

**Calvert Cliffs Nuclear Power Plant, Inc.  
August 25, 2004**



**Constellation  
Energy Group**

**Calvert Cliffs  
Nuclear Power Plant**

*A Member of the  
Constellation Energy Group*

August 4, 2004

Mr. Jack Bowen  
Maryland Department of the Environment  
Water Management Administration  
1800 Washington Boulevard  
Baltimore, Maryland 21230

**RE: NPDES Discharge Permit 02-DP-0187 Calvert Cliffs Nuclear Power Plant**

On July 30, 2004 Calvert Cliffs Nuclear Power Plant personnel identified that the auxiliary boiler blowdown effluent (Monitoring point 103 A) had been discharged intermittently from the CCNPP site in Lusby, MD without monitoring as required by NPDES permit 02-DP-0187. This permit requires flow, total suspended solids, and oil and grease monitoring to be performed monthly, with pH to be monitored during each discharge from monitoring point 103 A. No monitoring was performed between June 1, 2004 when the permit requirement became effective, and July 30, 2004, when the lack of monitoring was discovered.

Approximately 5000 gallons of auxiliary boiler blowdown effluent was discharged to the Chesapeake Bay between June 1, 2004 and July 30, 2004. When plant staff identified that the discharges had occurred, the auxiliary boiler blowdown discharge was sampled for pH, total suspended solids, and oil and grease. All values were within permit limits; oil and grease and total suspended solids results were both less than detectable concentrations. Based on the relatively small discharge volume and the satisfactory analysis results the impact of this discharge on public health and the waters of the state is negligible.

The cause of the unanticipated discharge was the auxiliary boiler blowdown tank discharge pump controls were in the 'automatic' positions when they should have been in the 'manual' position. This caused the tank to discharge whenever a set volume was reached without site personnel being aware of the discharge. Upon discovery the controls were immediately placed in the 'manual' position. A note has been placed on the controls to ensure they are not put back into the 'automatic' mode. Site procedures are being revised to require the auxiliary boiler blowdown tank discharge pump controls be maintained in the 'manual' position and to monitor each discharge as required by the permit.

If you have any questions, please contact Brenda Nuse at (410) 495-4913.

Sincerely,  
 for KJN

Kevin J. Nietmann  
Plant General Manager

KJN/BDN

cc: B.D. Nuse  
T.G. Ringger (CGG-ES)