

November 30, 2006

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

SUBJECT: CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NO. 2 - FINAL ACCIDENT
PRECURSOR ANALYSIS OF JANUARY 23, 2004, OPERATIONAL EVENT

Dear Mr. Spina:

Enclosed for your use and information is a copy of the Nuclear Regulatory Commission (NRC) Final Accident Sequence Precursor (ASP) Analysis of an operational event that occurred at Calvert Cliffs Nuclear Power Plant, Unit No. 2. On January 23, 2004, the unit experienced excessive steam demand following a reactor trip, which was due to low steam generator water level after a feedwater pump trip. This event was documented by Calvert Cliffs Nuclear Power Plant, Inc. (the licensee) in licensee event report (LER) 318/04-001-00, dated January 23, 2004, and in NRC Special Inspection Report No. 50-318/2004-008, dated July 29, 2004, and Supplemental Inspection Report No. 50-318/2005-006, dated February 11, 2005.

If you have any questions about the analysis, please contact me at 301-415-1457 or Gary DeMoss of the NRC's Office of Research at 301-415-6225.

Sincerely,

/RA/

Patrick D. Milano, Senior Project Manager
Plant Licensing Branch I-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-318

Enclosure:
Final ASP Analysis Report

cc w/encl: See next page

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Calvert Cliffs Nuclear Power Plant, Unit No. 2

cc:

President
Calvert County Board of
Commissioners
175 Main Street
Prince Frederick, MD 20678

Ms. Patricia T. Birnie, Esquire
Co-Director
Maryland Safe Energy Coalition
P.O. Box 33111
Baltimore, MD 21218

Mr. Carey Fleming, Esquire
Sr. Counsel - Nuclear Generation
Constellation Generation Group, LLC
750 East Pratt Street, 17th floor
Baltimore, MD 21202

Mr. Roy Hickok
NRC Technical Training Center
5700 Brainerd Road
Chattanooga, TN 37411-4017

Mr. Jay S. Gaines
Director, Licensing
Calvert Cliffs Nuclear Power Plant
1650 Calvert Cliffs Parkway
Lusby, MD 20657-4702

Resident Inspector
U.S. Nuclear Regulatory Commission
P.O. Box 287
St. Leonard, MD 20685

Mr. R. I. McLean, Manager
Nuclear Programs
Power Plant Research Program
Maryland Department of Natural Resources
580 Taylor Avenue (B wing, 3rd floor)
Tawes State Office Building
Annapolis, MD 21401

Regional Administrator, Region I
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Ms. Kristen A. Burger, Esquire
Maryland People's Counsel
6 St. Paul Centre
Suite 2102
Baltimore, MD 21202-1631