

August 8, 2003

Mr. George Vanderheyden, 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 NOS. 1 AND 2,  
REQUEST FOR ADDITIONAL INFORMATION, TECHNICAL SPECIFICATION  
CHANGE TO REMOVE THE CHARGING PUMPS FROM THE TECHNICAL  
SPECIFICATIONS (TAC NOS. MB6989 AND MB6990)

Dear Mr. Vanderheyden:

By letter dated December 13, 2002, Calvert Cliffs Nuclear Power Plant, Inc. (CCNPPI), submitted a license amendment request to change the CCNPP, Unit Nos. 1 and 2 Technical Specifications (TSs). The proposed changes to CCNPP TS 3.5.2 would revise the TS to remove the requirements for the charging pumps. The proposal was based on an analysis that demonstrated that the charging pumps were not required to mitigate the consequences of a small-break loss-of-coolant accident. However, the charging pumps are the only components at CCNPP capable of injecting boron and coolant into the reactor vessel above the 80-percent power level or 1700 psi. CCNPPI has not addressed in its application the plant design dependence on the charging pumps to mitigate the consequences of an anticipated transient without scram and a steam generator tube break and, therefore, the Nuclear Regulatory Commission staff is not convinced that the charging pumps can be removed from the CCNPP TSs.

Enclosed is a request for additional information that the NRC staff requested in order to complete our review. We have discussed this with your staff and it was agreed that you could respond within 45 days from receipt of this letter.

Sincerely,

**/RA/**

Guy S. Vissing, Senior Project Manager, Section 1  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-317 and 50-318

Enclosure: As stated

cc w/encl: See next page

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ADAMS Accession Number: ML032110016 \*Memo from SMagruder dated July 24, 2003

OFFICE	PDI-1/PM	PDI-1/LA	NRR/DIPM/ASC	PDI-1/SC
NAME	GVissing	SLittle	SMagruder*	PTam for RLaufer
DATE	8/7/03	8/7/03		8/7/03

**OFFICIAL RECORD COPY**

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Unit Nos. 1 and 2

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REQUEST FOR ADDITIONAL INFORMATION  
FOR CALVERT CLIFFS NUCLEAR POWER PLANT, INC.  
TECHNICAL SPECIFICATION AMENDMENT REQUEST  
RELATED TO THE REMOVAL OF CHARGING PUMPS FROM  
THE TECHNICAL SPECIFICATIONS  
CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-317 AND 50-318

The licensee proposed to remove the charging pumps from the Technical Specifications (TSs) because they have demonstrated that the charging pumps are not required for the small-break-loss-of-coolant accident. The charging pumps are the only components capable of injecting boron and coolant into the reactor vessel above the 80-percent power level or 1700 psi. In order to remove the charging pumps from the TSs, we request that you demonstrate that the plant can mitigate the consequences of accidents and transients such as anticipated transient without scram (ATWS) and steam generator tube rupture (SGTR), which require boron and coolant injection at power levels above 80 percent or pressure greater than 1700 psi without reliance on the charging pumps. If the charging pumps are required to mitigate the consequences of design-basis accidents and transients such as ATWS and a SGTR, then they satisfy the requirements of Criterion 3 of 10 CFR 50.36 for inclusion in the TSs.

Enclosure