

September 11, 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 CONCERNING THE  
ACTIVATION OF THE LIQUIFIED NATURAL GAS FACILITY (TAC NOS.  
MC0188 AND MC0189)

Dear Mr. Vanderheyden:

The Nuclear Regulatory Commission (NRC) staff is reviewing the information provided by your letter dated July 10, 2003, concerning the resumption of liquified natural gas shipments to Cove Point and has determined that additional information is needed to support our review. The enclosed request for additional information identifies the information needed. The NRC staff has discussed this with your staff who indicated that you could respond within 60 days.

Sincerely,

**/RA by P. S.Tam/**

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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ACCESSION NUMBER: **ML032380066**

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DATE	8/28/03	8/28/03	9/3/03	9/11/03	9/11/03

\*Concurred by e-mail

\*\*PTam concurred for RLaufer

**OFFICIAL RECORD COPY**

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REQUEST FOR ADDITIONAL INFORMATION  
RESUMPTION OF LIQUIFIED NATURAL GAS SHIPMENT  
CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2  
DOCKET NOS. 50-317 AND 50-318

In 1993, the licensee submitted a safety evaluation for hazards caused by the presence of the Liquified Natural Gas (LNG) facility at Cove Point. The licensee's analysis considered the effects of ignition of the LNG released from the Cove Point facility and concluded that it would not threaten the integrity of the plant. In 1995, the NRC approved the licensee's analysis.

The NRC staff believes there is a need to reconfirm the applicability of the 1993 evaluation to the current LNG plant design due to a proposed construction on the Cove Point site an 850,000-barrel storage tank in addition to the existing four 375,000-barrel and two 600,000-barrel storage tanks. The addition of this tank could increase the probability of tank failure. Also, the maximum hazard distance of ignited gas (based on 3-psi overpressure criterion) for the 850,000-barrel tank may be different from that for the existing storage tanks. Since the risk to the Calvert Cliffs site is determined by combining the probabilities of occurrence of LNG spill with the consequences produced by its ignition/explosion, this risk may be different as a result of the additional storage tank.

The licensee is requested to reevaluate this part of its 1993 analysis.

Enclosure