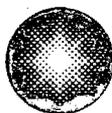


George Vanderheyden
Vice President
Calvert Cliffs Nuclear Power Plant
Constellation Generation Group, LLC

1650 Calvert Cliffs Parkway
Lusby, Maryland 20657
410.495.4455
410.495.3500 Fax



Constellation Energy

June 7, 2005

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
Independent Spent Fuel Storage Installation; Docket No. 72-8
Supplement to License Amendment Request for Technical Specifications Revision
to Support the ISFSI NUHOMS[®]-32P Upgrade

REFERENCES: (a) Letter from Mr. G. Vanderheyden (CCNPP) to Document Control Desk (NRC), dated December 12, 2003, License Amendment Request: Revision to the Technical Specifications to Support the ISFSI NUHOMS[®]-32P Upgrade
(b) 10 CFR 72.214, List of Approved Spent Fuel Storage Casks, Certificate Number 1004
(c) Telecon with NRC staff, May 26, 2005

By Reference (a) we submitted a license amendment request to incorporate Technical Specification changes to support the Calvert Cliffs Independent Spent Fuel Storage Installation (ISFSI) NUHOMS[®]-32P Upgrade. In that request we indicated that for Technical Specification Surveillances 4.2.1.1 and 4.2.1.2 increasing the initial verification of boron concentration from "within one hour" to "within 24 hours" was consistent with the provision for verification of boron concentration approved for the NUHOMS[®] general license. The approved surveillance time for NUHOMS[®] general license is four hours (contained in Certificate Number 1004, Reference b).

Per our telecon with your staff (Reference c), we propose to increase the surveillance time from "within one hour" to "within 4 hours" consistent with the provision for verification of boron concentration approved for the NUHOMS[®] general license. This letter supersedes our proposed revision to Technical Specification Surveillances 4.2.1.1 and 4.2.1.2 in Reference (a). The Technical Specification marked-up page contained in Attachment (1) supersedes the marked-up page provided in Reference (a).

NM5501

ATTACHMENT (1)

MARK-UP TECHNICAL SPECIFICATION PAGE

TS 3/4.2.1

Page 7

3/4.2 DRY SHIELDED CANISTER (DSC)

3/4.2.1 DISSOLVED BORON CONCENTRATION

LIMITING CONDITION FOR OPERATION

3.2.1.1 The DSC cavity shall be moderated only by water with a boron concentration greater than or equal to 1,000 ppm.

APPLICABILITY: Applicable to all DSCs.

2,450 ppm

ACTION:

1. With the measured boron concentration less than the specification prior to the beginning of DSC loading and unloading operations, suspend all activities involving DSC loading and unloading.
2. With the measured boron concentration less than the specification during DSC loading and unloading operations, take action to increase boron concentration while unloading fuel from the DSC.

SURVEILLANCE REQUIREMENTS

4 hours

4.2.1.1 Within ~~one hour~~ prior to insertion of the first spent fuel assembly into a DSC, the dissolved boron concentration in water in the spent fuel pool and introduced into the DSC cavity shall be independently determined by chemical analysis (two samples analyzed by two different individuals). The boron concentration in the water shall be reconfirmed at intervals not to exceed 48 hours until such time as the DSC is removed from the spent fuel pool. All boron concentration measurement shall be documented.

4.2.1.2 Within ~~one hour~~ prior to flooding the DSC cavity for unloading the fuel assemblies, the dissolved boron concentration in water in the spent fuel pool and introduced into the DSC cavity shall be independently determined by chemical analysis (two samples analyzed by two different individuals). The boron concentration in the water shall be reconfirmed at intervals not to exceed 48 hours until such time as the fuel has been removed from the DSC. All boron concentration measurements shall be documented.

4 hours