December 5, 2000

LICENSEE: Calvert Cliffs Nuclear Power Plant, Inc.

FACILITY: Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2

SUBJECT: SUMMARY OF THE NOVEMBER 16, 2000, MEETING REGARDING CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2 - CONTAINMENT TENDON LONG-TERM CORRECTIVE ACTION PLAN (TAC NOS. MA7782 AND MA7783)

On November 16, 2000, the U.S. Nuclear Regulatory Commission and Calvert Cliffs Nuclear Power Plant, Inc. (CCNPPI/licensee) held a meeting at One White Flint North, Rockville, Maryland, to discuss the Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2 (CCNPP) Containment Tendon Long-Term Corrective Action Plan (Containment Tendon Project). Enclosure 1 is a list of attendees. Enclosure 2 is a copy of viewgraphs distributed at the meeting and Enclosure 3 is a draft of the Request for Additional Information transmitted to the licensee on September 20, 2000. The licensee stated they would respond to this request in the December submittal regarding the Containment Tendon Long-Term Corrective Action Plan.

CCNPP made a presentation on its CCNPP Containment Tendon Project. Among the items discussed were: a) contents of its December 2000 submittal, b) goal of CCNPP's containment tendon project, namely, to ensure that CCNPP containments meet design requirements until end of life (2034 and 2036 for Units 1 and 2, respectively), c) elements of CCNPP's year 2000 activities, and d) CCNPP enhanced inspection program contents.

CCNPP also provided a detailed discussion about the following planned corrective actions:

a) Regrease non-corroded vertical tendons.
b) Replace vertical tendon caps and gaskets.
c) Replace a minimum of 40 tendons for each unit.
d) Restress selected vertical tendons with low lift-off forces.
e) Implementation of an enhanced inspection plan.
f) Selection process and basis for vertical tendon replacement in 2002.

At end of the CCNPP presentation, it concluded that: a) combination of restressing and replacing containment tendons will ensure CCNPP containments meet their design requirements through 2034 (unit 1) and 2036 (unit 2), and b) its enhanced inspection program will ensure effectiveness of the CCNPP corrective actions.

The staff suggested the licensee provide the following information in its December 2000 submittal:

a) Detailed discussion of specific commitments covering its corrective actions.

b) Provision of projected average tendon forces over next key milestone years through 2034 and 2036 for units 1 and 2, respectively, and their margins over the predicted lower limit (PLL) tendon forces after accounting for the effects of tendon force relaxation over time and the conservatively established wire breakage number which was predicted by the statistical model analysis.

c) Detailed discussion of selection criteria for tendons to be replaced and their basis.

d) Detailed discussion of basis for selecting tendons for restressing and how a reasonably uniform distribution of the average tendon force along the periphery of the containment shell was established.

e) Discussion of basis for the change in the wire breakage prediction model and the basis for the conclusion that the revised model is more conservative than the one submitted as enclosure to CCNPPI's July 24, 2000 letter.

f) Discussion of basis for use of radiographical approach in lieu of an on-site visual inspection, its scope as well as its inspection frequency, and the reliability of the radiographical inspection method.

g) CCNPPI's plan for its 50.59 evaluation after the end-state of the containment tendon force is established.

h) Discussion of CCNPPI's plan for reassessment of the enhanced inspection program contents including inspection intervals at a future time and parameters to be relied upon in changing the enhanced inspection program contents.

Sincerely,

/RA/

Alexander W. Dromerick, Sr. Project Manager, Section I
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-317 and 50-318

Enclosures: As stated

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CALVERT CLIFFS NUCLEAR POWER PLANT, INC.
NOVEMBER 16, 2000

Name	Organization
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Kamal Manoly	NRR/DE/EMEB
Jeffrey Poehler	CCNPPI/Materials Engineering
Jon Woodfield	CCNPPI/Civil Design
Joe Jaeger	CCNPPI/Systems Engineering
Mike Ruby	RG&E/Licensing
Len Sucheski	RG&E/System Engineering
Donna Moeller	CCNPPI/NRM
Mike Navin	CCNPPI/Tech Support

a) Detailed discussion of specific commitments covering its corrective actions.

b) Provision of projected average tendon forces over next key milestone years through 2034 and 2036 for units 1 and 2, respectively, and their margins over the predicted lower limit (PLL) tendon forces after accounting for the effects of tendon force relaxation over time and the conservatively established wire breakage number which was predicted by the statistical model analysis.

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Sincerely,
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Alexander W. Dromerick, Sr. Project Manager, Section I
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Office of Nuclear Reactor Regulation

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Enclosures: As stated
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