

August 21, 2001

MEMORANDUM TO: Peter Tam, Acting Chief, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

FROM: Donna M. Skay, Project Manager, Section 1 **/RA/**
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF AUGUST 13, 2001, MEETING WITH CALVERT CLIFFS
NUCLEAR POWER PLANT, INC. TO DISCUSS STEAM GENERATOR
REPLACEMENT PROJECT

On August 13, 2001, Calvert Cliffs Nuclear Power Plant, Inc. (CCNPPI) met with the Nuclear Regulatory Commission (NRC) staff to inform them of the status of the fabrication of the replacement steam generators (RSGs) for Calvert Cliffs, Units 1 and 2, and the safety analyses and licensing actions associated with the replacement. CCNPPI stated that the RSGs were designed to be identical to the current steam generators except that the RSG tubes will be made from a different alloy and have a reduced wall thickness, and the RSG will contain an integral flow restrictor. Because the RSGs will not have plugged tubes, the secondary steam pressure will increase and the reactor coolant flow will increase. CCNPPI stated that it had evaluated each of the accident scenarios using the parameters for the RSG and determined that none of the analyses required NRC staff review under the criteria of 10 CFR 50.59. One area that is still under evaluation is the equipment qualification of the iodine removal unit following a main steamline break. CCNPPI anticipates that this equipment will meet the equipment qualification criteria of 10 CFR 50.49.

CCNPPI also discussed the impacts of the RSG on the analyses performed in response to Generic Letter 96-06, "Assurance of Equipment Operability and Containment Integrity during Design Basis Accident Conditions." CCNPPI will re-evaluate the potential for waterhammer with the higher temperatures and superheated conditions present with the RSGs. This analysis will be completed following NRC endorsement of the Electric Power Research Institute technical guidance in the Technical Report User's Manual (TR-113954).

Finally, CCNPPI provided a brief discussion of the licensing actions that are required for operation with the RSG. CCNPPI proposed applying for an exemption from 10 CFR Part 50, Appendix J for containment leakage rate testing. The staff informed CCNPPI that this could be achieved through a license amendment as opposed to an exemption because Calvert Cliffs is an Option B plant.

CCNPPI proposed to meet with the staff again prior to installation of the RSGs in Unit 1 in February 2002.

A list of the meeting attendees and the meeting handouts are enclosed.

Enclosures: 1. List of Attendees
2. Meeting Handouts

cc w/encls: See next page

Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 and 2

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cc w/encls: See next page
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MEETING WITH CALVERT CLIFFS NUCLEAR POWER PLANT, INC.

AUGUST 13, 2001

<u>NAME</u>	<u>AFFILIATION</u>
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Richard Lobel	NRR/DSSA
David Jeng	NRR/EMEB
John Knox	NRR/EEIB
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Walton Jensen	NRR/SRXB
Joe Colaccino	NRR/DLPM
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Tom Konerth	CCNPPI
Bernie Rudell	CCNPPI
Kevin Connell	SGT
Mark Ceraldi	SGT
Jeff Millman	B&W Canada
Stephen Fluit	B&W Canada
Daniel Horner	McGraw-Hill
Gary Mayner	Framatone-ANP
William Holston	CCNPPI
James Kilpatrick	CCNPPI
Nancy Chapman	SERCH/Bechtel
Getachew Testfaye	CCNPPI
Christopher Ludlow	CCNPPI

Date: August 21, 2001

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