

January 15, 2004

Our File: 108US-01321-021-001
Your File: Project No. 722

U.S. Nuclear Regulatory Commission,
Document Control Desk,
Washington, D.C. 20555

Attention: Ms. B. Sosa
Project Manager, ACR

Reference:

1. Letter from V.J. Langman to B. Sosa, "Phase 2 of ACR Pre-Application Review – Revised Submission Schedule", December 05, 2003.

Re: **Large LOCA, Small LOCA and Single Channel Events Thermal Hydraulics Analysis Methodology report**

As committed (Reference 1) you will find enclosed a CD containing the AECL report 10810-03500-AB-001, "Large LOCA, Small LOCA and Single Channel Events Thermalhydraulics Analysis", Revision 1, January 2004.

This report is submitted for NRC review, in support of pre-application review focus topic #2 (i.e., design basis accidents and acceptance criteria). The report addresses the thermal hydraulics analysis methodology associated with ACR-700 behavior under large LOCA, small LOCA, and single channel events conditions.

If you have any questions with regards to this letter and/or the enclosed report please contact the undersigned at (905) 823-9060 extension 6543.

Yours sincerely,



Vince J. Langman
ACR Licensing Manager

/Enclosure:

CD containing a copy of the aforementioned report.

D070