

November 14, 2003

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", file 108US-01321-021-001, July 30, 2003.

**Re: ACR Limited and Severe Core Damage Accidents: Supporting R&D**

As committed (Reference 1) you will find enclosed an electronic copy of the report "ACR Limited and Severe Core Damage Accidents: Supporting R&D", AECL Report No. 108-126810-LS-002, November 2003. You will find two different formats of the report on the CD. One version is for better electronic viewing and the second will provide a better-printed version.

The report is submitted for NRC review, in support of pre-application review focus topic #4 (i.e., severe accident definition and adequacy of supporting R&D) and #12 (i.e., ACR Technology Base). The report describes the technology basis which underpins the understanding of limited and severe core damage accidents in the ACR.

If you have any questions with regards 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:

1. CD containing a copy of the report, "ACR Limited and Severe Core Damage Accidents: Supporting R&D", AECL Report No. 108-126810-LS-002, November 2003.

D070