

July 27, 2004

Our File: 108US-01321-021-001
108US-ACNU04-0015L
Your File: Project No. 722

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

Attention: Ms. B. Sosa
Project Manager, ACR

Re: ACR-700 Severe Accidents R&D – Presentation Material

On July 20-22, 2004, the NRC staff visited AECL's Chalk River Laboratories located in Chalk River, Ontario, and participated at a meeting with AECL on ACR-700 Severe Accidents R&D. During the meeting, AECL provided the NRC staff with information related to the meeting topic and made the following presentations:

1. Welcome and Overview,
2. Overview of MAAP4-CANDU Code,
3. Core Disassembly and Vessel Integrity,
4. Overview of Containment,
5. Containment Thermal Hydraulics,
6. AECL PAR Design: Performance & Requirements,
7. Overview of Fuel and Fission Product Methodology and R&D,
8. Iodine Behavior Modeling,
9. Molten-Fuel Moderator-Interaction Studies at Chalk River Laboratories, and
10. Fuel Channel Behavior.

Please find enclosed a CD containing the aforementioned presentations.

If you have any questions on this letter and/or the enclosed material please contact me at (905) 823-9060 extension 6543.

Yours sincerely,



for: Glenn Archinoff
ACR Licensing Manager

D070

/Enclosures:

1. CDs containing the presentations mentioned in this letter