
February 27, 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

Dear Ms. Sosa,

References:

1. Letter V. Langman to B. Sosa, "Further to the ACR Pre-Application Plan – Detailed Deliverables and Schedule for Focus Topics", December 18, 2002.
2. Letter V. Langman to B. Sosa, "Phase 2 of ACR Pre-Application Review – Revised Submission Schedule", December 05, 2003.

Re: Design Assist Role of ACR PSA

In support of the NRC's pre-application review of the ACR, in particular focus topics #11 (ACR PRA Methodology) of attachment 1 to Reference 1 and as committed in Reference 2, please find enclosed a CD containing the AECL Report 108-03660-ASD-008, Revision 0, "Design Assist Role of ACR Probabilistic Safety Assessment (PSA)", February 2004.

The report reviews the history of the application of risk assessment techniques in the Canadian nuclear industry, particularly those called Probabilistic Risk Assessment (PRA) or Probabilistic Safety Assessment (PSA). The report further describes the use of PSA in the design of the ACR. The results of the preliminary PSA for the ACR design are reviewed and the manner in which they will be used to finalize the detailed design is also discussed in this report.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'V. J. Langman', followed by a small flourish.

Vince J. Langman
ACR Licensing Manager

/Enclosures

1. CD containing the report mentioned in this letter.