

September 12, 2003

Our File: 108US-013210-021-001
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-013210-021-001, July 30, 2003.

Re: The Technology of On-Power Fueling

As committed (Reference 1) you will find enclosed an electronic copy of the report "The Technology of On-Power Fueling", AECL Report No. 108-35000-LS-001, September 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 key focus topic #8 (i.e., on-power fueling) and #12 (i.e., ACR technology base). The report, among other things, provides extensive background information related to the technology and processes associated with on-power fueling in CANDU reactors, the operational experience with on-power fueling in CANDU reactors to date and the evolutionary design features associated with on-power fueling for the ACR reactor.

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, "The Technology of On-Power Fueling", AECL Report No. 108-35000-LS-001, September 2003.

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