November 18, 2003

Mr. Vince Langman
ACR Licensing Manager
Atomic Energy of Canada Limited (AECL) Technology, Inc.
5275 Westview Dr.
Frederick, Maryland 21703-8606

SUBJECT: PROGRESS UPDATE ON ACR-700 PRE-APPLICATION REVIEW (TAC NO. MB5765)

Dear Mr. Langman:

Atomic Energy of Canada Limited (AECL) Technology, Incorporated submitted a formal request for a pre-application review of the Advanced CANDU Reactor (ACR-700) design on June 19, 2002. The familiarization phase of the pre-application review or Phase 1 was completed July 30, 2003.

The Nuclear Regulatory Commission (NRC) staff is reviewing technical information provided by AECL during Phase 1 and as part of the ongoing pre-application review activities for Phase 2 review of the ACR-700 design. The enclosed report summarizes progress through September 3, 2003, on the pre-application activities for the independent analysis of coolant void reactivity (CVR) and related neutronic phenomena in ACR-700.

If you have any questions or comments concerning this progress update, you may contact the undersigned at (301) 415-2375 or bxs2@nrc.gov.

Sincerely,

/RA/

Belkys Sosa, ACR-700 Project Manager
New Reactors Section
New, Research and Test Reactors Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Project No. 722

Enclosure: As stated

cc w/encl: See next page

November 18, 2003

Mr. Vince Langman
ACR Licensing Manager
Atomic Energy of Canada Limited (AECL) Technology, Inc.
5275 Westview Dr.
Frederick, Maryland 21703-8606

SUBJECT: PROGRESS UPDATE ON ACR-700 PRE-APPLICATION REVIEW (TAC NO. MB5765)

Dear Mr. Langman:

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If you have any questions or comments concerning this progress update, you may contact the undersigned at (301) 415-2375 or bxs2@nrc.gov.

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ACR-700

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