

December 1, 2004

Mr. Glenn Archinoff  
ACR Licensing Manager  
AECL Technologies, Inc.  
481 North Frederick Avenue, Suite 405  
Gaithersburg, MD 20877

SUBJECT: REQUEST TO PROVIDE ACR-700 PRESSURE TUBE SAMPLE TO ARGONNE  
NATIONAL LABORATORY

Dear Mr. Archinoff:

Per our teleconference on November 3, 2004, discussing the issues related to the testing of pressure tube material at Argonne National Laboratory (ANL), the ACR-700 project office, Office of Nuclear Reactor Regulation, Division of Regulatory Improvement Programs, New, Research and Test Reactors Program (NRR/DRIP/RNRP) is requesting AECL to provide an one-meter long ACR-700 prototype pressure tube sample to Mr. Ken Natesan, Manager of Corrosion and Mechanics of Materials in the Energy Technology Division at ANL.

ANL has been contracted by the Office of Nuclear Regulatory Research (RES) to examine the ACR-700 pressure tube material from the standpoint of its mechanical properties such as fatigue, creep-fatigue, crevice corrosion, and delayed hydride cracking in a simulated ACR-700 water environment.

To facilitate the provision of the pressure tube sample to ANL, the purchase order for pressure tube sample will be prepared by ANL and AECL is requested to deal directly with Mr. Ken Natesan at ANL.

It is our understanding that AECL agreed to provide to the NRC proprietary information associated with ANL's testing of the pressure tube sample. NRC will provide the information to ANL in accordance with the non-disclosure agreement to ensure protection of AECL's proprietary information.

If you have any questions regarding this matter, I may be reached at 301-415-2375.

Sincerely,

*/RA/*

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

Project No. 722

cc: See next page

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Division of Regulatory Improvement Programs  
Office of Nuclear Reactor Regulation

Project No. 722

cc: See next page

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ADAMS ACCESSION NUMBER: ML043280026 \*See previous concurrence

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ACR-700

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