

July 9, 2004

Dr. Lawrence Hochreiter  
Department of Mechanical and Nuclear Engineering  
College of Engineering  
Pennsylvania State University  
233 Reber Building  
University Park, PA 16802-1412

SUBJECT: UNSOLICITED PROPOSAL DATED DECEMBER 22, 2003, ENTITLED  
"REFLOOD HEAT TRANSFER DATA BANK ARCHIVAL AND TRACE  
REFLOOD THERMAL-HYDRAULICS ASSESSMENT" NUCLEAR  
REGULATORY COMMISSION DOCUMENT NO. 04-01

Dear Dr. Hochreiter:

The purpose of this letter is to provide you with the results of our evaluation of the subject proposal.

The technical proposal consists of two Projects. The first proposed research project is "Reflood Heat Transfer Data Bank Archival Project." The proposed project's objective would be to review and assess the existing reflood data residing in the current NRC Reflood Heat Transfer Data Bank. The second proposed research project is "The Reflood Thermal-Hydraulics Assessment Program." This proposed project would provide a detailed developmental assessment of the TRACE code used to perform small-break and large-break Loss of Coolant Accident Analysis for a wide range of nuclear power plants.

The first proposal is of interest to the NRC as it would compare the reflood data in our databank to that of the original Westinghouse data tapes and provide calculated quantities (e.g., heat transfer coefficient) that are not currently available to the NRC through the use of the original data analysis codes. The NRC anticipates contacting you regarding negotiation of a cooperative agreement during the month of July 2004.

The assessment work proposed under the second proposal is currently being done both by NRC staff and contractors to the NRC. Therefore, the second proposal will not be set-aside.

Your interest in the mission of the NRC is both appreciated and encouraged. If you have any questions please contact Susan Hopkins, Senior Policy Analyst on (301) 415-6514.

Sincerely,

*/RA/*

Mary Lynn Scott, Team Leader  
Procurement Policy Team  
Division of Contracts  
Office of Administration

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