

October 25, 2002

Dr. Lefteri H. Tsoukalas  
School of Nuclear Engineering  
Purdue University  
1290 Nuclear Engineering Building  
West Lafayette, IN 47907-1290

Dear Dr. Tsoukalas:

Thank you for your willingness to share your ideas and recommendations on anticipatory research. The Office of Nuclear Regulatory Research conducts anticipatory research to ensure that the Nuclear Regulatory Commission is prepared for safety challenges associated with new designs, new technology, expected industry initiatives, and emerging safety issues.

We intend to pursue many of the suggested areas such as interfacial area transport, modeling and testing of passive safety systems, flow and neutronic stability, and low pressure phenomena. As you know we are in a period of extensive development of the TRAC-M code. This builds on past work. At this time, however, we are unable to support a new general purpose advanced analysis tool.

I thank you for your continuing interest in nuclear safety. Your response to the Anticipatory Call is greatly appreciated and I look forward to receiving your ideas and recommendations in response to future Anticipatory Calls.

Sincerely,

**/RA/**

Ashok C. Thadani, Director  
Office of Nuclear Regulatory Research

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