



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

April 16, 1999

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copy for Chris

MEMORANDUM TO: ~~Charles E. Ross, Director~~
Division of Systems Analysis
and Regulatory Effectiveness
Office of Nuclear Regulatory Research

FROM: Gary M. Holahan, Director *TE Collins for*
Division of Systems Safety and Analysis
Office of Nuclear Reactor Regulation

SUBJECT: TECHNICAL SUPPORT FOR SPENT FUEL POOL
HEATUP ANALYSIS (TAC NO. MA5099)

A December 2, 1998, memorandum from Thomas H. Essig to Farouk Eltawila requested technical support on spent fuel pool heatup calculations to support emergency planning rulemaking. Chris Boyd of your staff is performing FLUENT computational fluid dynamics calculations of a boiling-water reactor (BWR) spent fuel pool in response to the request.

The original request anticipated that the work would be completed in April 1999. Technical analysis in support of the rulemaking has not yet been completed. The Division of Systems Safety and Analysis is therefore requesting additional technical support from Chris Boyd. The original request was for calculations of a BWR spent fuel pool. Calculations may also be needed for a pressurized-water reactor spent fuel pool when the BWR calculations are completed. The result of the calculations must be documented in a technical report. TAC No. MA5099, "Develop Risk-Informed Basis for Revised Decommissioning Regulations" should be used for the continuing work.

Any questions on this matter may be addressed to Diane Jackson at 301-415-8548 or Joseph Staudenmeier at the number below.

CONTACT: Joseph Staudenmeier, NRR/DSSA/SRXB
415-2869

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