

June 19, 2003

MEMORANDUM TO: John Hannon, Branch Chief
Plant Systems Branch
Division of Systems Safety and Analysis
Office of Nuclear Reactor Regulation

FROM: Jack Rosenthal, Branch Chief **/RA/**
Safety Margins and Systems Analysis Branch
Division of Systems Analysis and Regulatory Effectiveness
Office of Nuclear Regulatory Research

SUBJECT: FINAL CONTRACTOR'S REPORTS: GENERIC SAFETY ISSUE 189:
"SUSCEPTIBILITY OF ICE CONDENSER AND MARK III
CONTAINMENTS TO EARLY FAILURE FROM HYDROGEN
COMBUSTION DURING A SEVERE ACCIDENT"

Reference: Memorandum from A. Thadani to S. Collins dated December 17, 2002

The Office of Nuclear Regulatory Research (RES) has completed the technical assessment for resolving the subject GSI-189 and transmitted its findings in the reference memorandum. To perform the technical assessment, RES had obtained technical assistance from:
(1) Brookhaven National Laboratory (BNL) to perform the benefits analysis; (2) Information Systems Laboratories (ISL) to perform the cost analysis; and (3) Sandia National Laboratories (SNL) to perform targeted plant analysis. These three reports were packaged in ADAMS No. ML022880554. However, the BNL and SNL reports were draft versions. Now that these versions have been finalized, and along with the ISL report they have been packaged in ADAMS No. ML031700006. Note that the substance of the two affected reports did not change; there were editorial enhancements and consolidation of previous analyses into the final version for completeness and traceability.

Any further questions, please feel free to contact me.

Attachments:

1. Brookhaven National Laboratory Final Report (ML031700011)
2. Information Systems Laboratories Final Report (ML031700015)
3. Sandia National Laboratories Final Report (ML031700025)

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