

May 01, 2001

MEMORANDUM TO: Ashok C. Thadani, Director
Office of Nuclear Regulatory Research

FROM: Farouk Eltawila, Acting Director **/RA/**
Division of Systems Analysis and Regulatory Effectiveness
Office of Nuclear Regulatory Research

SUBJECT: GENERIC ISSUE MANAGEMENT CONTROL SYSTEM REPORT –
SECOND QUARTER FY 2001

REACTOR GSIs

The following progress was made during this reporting period:

- The reprioritization of GSI-152, "Design Basis for Valves That Might Be Subjected to Significant Blowdown Loads," was completed and the results accepted by the ACRS in February 2001. This GSI will not be pursued further.
- The staff developed an Action Plan for the resolution of GSI-185, "Control of Recriticality Following Small-Break LOCAs in PWRs," in March 2001, and a study is being undertaken to substantiate the conditions under which gross fuel failure might occur.
- The close-out memo on GSI-170, "Fuel Damage Criteria for High Burnup Fuel," is scheduled to go to the EDO in May 2001. NRR concurrence was requested on April 18, 2001. The ACRS agreed with the staff's proposed resolution that was submitted for review in February 2001.
- The initial screening stage of GSI-187, "The Potential Impact of Postulated Cesium Concentration on Equipment Qualification in the Containment Sump," was completed. The GSI will not be pursued further.

Initial screening panel reports are being finalized. GSI-188, "Steam Generator Tube Leaks/Ruptures Concurrent with Containment Bypass" (see Table 9). At the end of the reporting period, eight reactor GSIs remained to be resolved (see Table 1), three GSIs remained to be reprioritized (see Table 6), and three GSIs remained to be screened (see Table 9).

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NON-REACTOR GSIs

NMSS-7, "Criticality Benchmarks Greater Than 5% Enrichment," was elevated to a high priority, and the following three new GSIs were identified, screened, and dropped from further pursuit:

20. Leaking Pools
21. Unlikely Events
22. Gamma Stereotactic Radiosurgery

At the end of the reporting period, four non-reactor GSIs remained to be resolved (see Table 15).

ANTICIPATED ACCOMPLISHMENTS FOR NEXT REPORTING PERIOD:

- Generic Issue 170, "Fuel Damage Criteria for High Burnup Fuel," will be closed out.
- The Task Action Plan will be completed for Generic Issue 156.6.1, "Pipe Break Effects on Systems and Components."
- The technical screening will be completed for Generic Issue 186, "Potential Risks and Consequences of Heavy Load Drops in Nuclear Power Plants."
- The initial screening will be completed for Generic Issue 188, "Steam Generator Tube Leaks or Ruptures, Concurrent with Containment Bypass from Main Steam Line or Feedwater Line Breaches."

I will continue to keep you informed of progress in resolving the remaining 18 unresolved reactor and non-reactor GSIs as well as any major problems that might surface during the course of their resolution.

Attachment: GIMCS Report, April 2001

cc w/att.: See attached

NON-REACTOR GSIs

NMSS-7, "Criticality Benchmarks Greater Than 5% Enrichment," was elevated to a high priority, and the following three new GSIs were identified, screened, and dropped from further pursuit:

20. Leaking Pools
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At the end of the reporting period, four non-reactor GSIs remained to be resolved (see Table 15).

ANTICIPATED ACCOMPLISHMENTS FOR NEXT REPORTING PERIOD:

- Generic Issue 170, "Fuel Damage Criteria for High Burnup Fuel," will be closed out.
- The Task Action Plan will be completed for Generic Issue 156.6.1, "Pipe Break Effects on Systems and Components."
- The technical screening will be completed for Generic Issue 186, "Potential Risks and Consequences of Heavy Load Drops in Nuclear Power Plants."
- The initial screening will be completed for Generic Issue 188, "Steam Generator Tube Leaks or Ruptures, Concurrent with Containment Bypass from Main Steam Line or Feedwater Line Breaches."

I will continue to keep you informed of progress in resolving the remaining 18 unresolved reactor and non-reactor GSIs as well as any major problems that might surface during the course of their resolution.

Attachment: GIMCS Report, April 2001

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SECOND QUARTER FY 2001

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