

October 31, 2003

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

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

SUBJECT: GENERIC ISSUE MANAGEMENT CONTROL SYSTEM
REPORT – FOURTH QUARTER FY 2003

The Generic Issue Management Control System (GIMCS) Report for the Fourth Quarter of FY 2003 is attached for your information. Significant progress was made during the reporting period on the following generic safety issues (GSIs):

REACTOR GSIs

GSI-80, Pipe Break Effects on Control Rod Drive Hydraulic Lines in the Drywells of BWR MARK I and II Containments: The safety concern of this issue is being integrated into the Task Action Plan (TAP) for the technical assessment of GSI 156.6.1 (below), since both issues address high energy line breaks. The TAP is expected to be completed in November 2003.

GSI-156.6.1, Pipe Break Effects on Systems and Components: A draft TAP for the technical assessment of this issue was completed in July 2003 but is currently undergoing revision to integrate the safety concern of GSI-80, as stated above. The TAP is expected to be completed in November 2003.

GSI-168, Environmental Qualification of Electrical Equipment: This issue was closed out with a memo to the EDO on August 14, 2003. No new requirements were established.

GSI-186, Potential Risk and Consequences of Heavy Load Drops in Nuclear Power Plants: Following the publication of NUREG-1774, "A Survey of Crane Operating Experience at U.S. Nuclear Power Plants from 1968 Through 2002," in July 2003, a proposed course of action was discussed with the ACRS on September 11, 2003. The technical assessment of the issue and the recommendations for regulation and guidance development is documented in a memorandum from you to J. Dyer, in concurrence.

GSI-189, Susceptibility of Ice Condenser Containments to Early Failure from Hydrogen Combustion During a Severe Accident: NRR developed a generic communication on the issue in July 2003 and later met with the Rulemaking Committee in September 2003. The decision on whether rulemaking should be pursued will be made after a meeting with the ACRS on November 6, 2003.

CONTACT: Ronald C. Emrit, RES:DSARE:REAHFB
(301) 415-6447

GSI-191, Assessment of Debris Accumulation on PWR Sump Performance: A draft of Revision 3 to Regulatory Guide 1.82, "Water Sources for Long-Term Recirculation Cooling Following a Loss-of-Coolant Accident," was discussed with the ACRS Subcommittee on Thermal-Hydraulic Phenomena on August 20, 2003, and the final version was presented to the ACRS on September 11, 2003. Regulatory Guide 1.82, Revision 3, is scheduled to be issued in November 2003 following the ACRS letter to the staff on September 30, 2003, recommending its issuance.

GSI-193, BWR ECCS Suction Concerns: The initial screening of this GSI was completed on October 16, 2003, with the recommendation to pursue a technical assessment. We will now generate a Task Action Plan, and expect to complete this plan by December 31, 2003.

GSI-194, Implications of Updated Probabilistic Seismic Hazard Estimates: The initial screening of this issue was completed on September 12, 2003. The issue was dropped from further pursuit after a staff panel concluded that existing NRC programs had adequately addressed the safety concern.

At the end of the reporting period, nine reactor GSIs remained to be resolved, including three GSIs that were transferred from RES to NRR for regulation and guidance development (see Table 1). One GSI remained to be screened (see Table 9).

NON-REACTOR GSIs

NMSS-14, Surety Estimates for Groundwater Restoration at In-Situ Leach Fields : The draft USGS report "Consideration of Geochemical Issues in Groundwater Restoration at Uranium In-Situ Leach Mining Facilities" was issued in August 2003.

NMSS-16, Adequacy of 0.05 Weight Percent Limit in 10 CFR 40: The SRM issued on October 8, 2003, in response to SECY-03-0106, directed the staff to continue reviewing the transfer of baghouse dust containing less than 0.05 Wt% uranium and thorium, based on previous Commission guidance.

At the end of the reporting period, three non-reactor GSIs remained to be resolved (see Table 14).

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

Attachment: GIMCS Report, October 2003

J. Strosnider, RES	R. Barrett, NRR	M. Markley, NMSS	L. Reyes, Region II
J. Rosenthal, RES	M. Kotzalas, NRR	J. Bell, IRM	J. Caldwell, Region III
M. Mayfield, RES	J. Birmingham, NRR	J. Larkins, ACRS	E. Merschoff, Region, IV
P. Norian, RES	S. Black, NRR	W. Usilton, IRM	S. Duraiswamy, ACRS
F. Cherny, RES	M. Virgilio, NMSS	J. Dyer, NRR	N. Tanious, NMSS
B. Sheron, NRR	M. Federline, NMSS	H. Miller, Region I	

GSI-191, Assessment of Debris Accumulation on PWR Sump Performance: A draft of Revision 3 to Regulatory Guide 1.82, "Water Sources for Long-Term Recirculation Cooling Following a Loss-of-Coolant Accident," was discussed with the ACRS Subcommittee on Thermal-Hydraulic Phenomena on August 20, 2003, and the final version was presented to the ACRS on September 11, 2003. Regulatory Guide 1.82, Revision 3, is scheduled to be issued in November 2003 following the ACRS letter to the staff on September 30, 2003, recommending its issuance.

GSI-193, BWR ECCS Suction Concerns: The initial screening of this GSI was completed on October 16, 2003, with the recommendation to pursue a technical assessment. We will now generate a Task Action Plan, and expect to complete this plan by December 31, 2003.

GSI-194, Implications of Updated Probabilistic Seismic Hazard Estimates: The initial screening of this issue was completed on September 12, 2003. The issue was dropped from further pursuit after a staff panel concluded that existing NRC programs had adequately addressed the safety concern.

At the end of the reporting period, nine reactor GSIs remained to be resolved, including three GSIs that were transferred from RES to NRR for regulation and guidance development (see Table 1). One GSI remained to be screened (see Table 9).

NON-REACTOR GSIs

NMSS-14, Surety Estimates for Groundwater Restoration at In-Situ Leach Fields : The draft USGS report "Consideration of Geochemical Issues in Groundwater Restoration at Uranium In-Situ Leach Mining Facilities" was issued in August 2003.

NMSS-16, Adequacy of 0.05 Weight Percent Limit in 10 CFR 40: The SRM issued on October 8, 2003, in response to SECY-03-0106, directed the staff to continue reviewing the transfer of baghouse dust containing less than 0.05 Wt% uranium and thorium, based on previous Commission guidance.

At the end of the reporting period, three non-reactor GSIs remained to be resolved (see Table 14).

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

Attachment: GIMCS Report, October 2003

J. Strosnider, RES R. Barrett, NRR M. Markley, NMSS L. Reyes, Region II
 J. Rosenthal, RES M. Kotzalas, NRR J. Bell, IRM J. Caldwell, Region III
 M. Mayfield, RES J. Birmingham, NRR J. Larkins, ACRS E. Merschoff, Region, IV
 P. Norian, RES S. Black, NRR W. Usilton, IRM S. Duraiswamy, ACRS
 F. Cherny, RES M. Virgilio, NMSS J. Dyer, NRR N. Tanious, NMSS
 B. Sheron, NRR M. Federline, NMSS H. Miller, Region I

Distribution w/att_DSARE R/F REAHFB R/F FELtawila, RES PNorian, RES CAder, RES

C:\ORPCheckout\FileNET\ML033070191.wpd

*See Previous Concurrence

PACKAGE: ML033070395

OAD in ADAMS? (Y or N) Y ADAMS ACCESSION NO. ML033070191 TEMPLATE NO. RES-006

Publicly Available? (Y or N) Y DATE OF RELEASE TO PUBLIC 2 weeks SENSITIVE? N

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

OFFICE	REAHFB	E	REAHFB	E	C:REAHFB	E	D:DSARE	E
NAME	REmit:dfw		HVandermolen		JFlack		FELtawila	
DATE	10/29/03*		10/29/03*		10/30/03*		10/31/03*	