



  
**UNITED STATES**  
**NUCLEAR REGULATORY COMMISSION**  
**ADVISORY COMMITTEE ON REACTOR SAFEGUARDS**  
 WASHINGTON, D.C. 20555-0001

October 10, 2001

**MEMORANDUM TO:** ACRS Members  
**FROM:** *Amarjit Singh*  
 Amarjit Singh, P.E., Senior Staff Engineer  
 ACRS/ACNW Technical Support Staff  
**SUBJECT:** RES PROPOSED RECOMMENDATION FOR RESOLUTION OF  
 GSI-191, "ASSESSMENT OF DEBRIS ACCUMULATION ON  
 PWR SUMP PERFORMANCE"

Attached is the RES proposed recommendation for resolution of GSI-191, "Assessment of Debris Accumulation on PWR Sump Performance". During 484<sup>th</sup> and 485 meetings of the Advisory Committee on Reactor Safeguards, the staff briefed the committee on this issue regarding their proposed recommendation to the Office of Nuclear Reactor Regulation (NRR).

During the Technical Assessment Stage in accordance with Management Directive (MD) 6.4 of GSI-191, RES has worked closely with the NRR staff to ensure the transfer of the lead responsibility for GSI-191 is completed in an effective manner. The staff stated that RES will support, as requested, NRR during the fourth stage, "Regulation and Guidance Development", and other generic issue stages. One area that RES anticipates providing support to NRR during the Regulation and Guidance Development Stage of GSI-191 is the development of guidance that reviewers may use to assess plant specific analyses or that licensees may follow to ensure adequate Emergency Core Cooling System (ECCS). The staff recommended that plant-specific analyses be conducted to determine whether debris accumulation in PWR cotainments will impede or prevent ECCS operation during circulation. If it is determined that debris accumulation will impede or prevent ECCS operation, then appropriate corrective actions should be implemented.

Please call me at (301) 415-6899, if you have any questions regarding the attached proposed recommendation.

*Woj* Attachment: ~~As stated~~

cc: J. Larkins  
 S. Bahadur