

February 13, 2012

MEMORANDUM TO: Edwin M. Hackett, Executive Director
Advisory Committee on Reactor Safeguards

FROM: Michael J. Case, Director **/RA** by Stuart Richards for/
Division of Engineering
Office of Nuclear Regulatory Research

SUBJECT: SUPPLEMENTARY RESPONSE TO THE ADVISORY COMMITTEE ON
REACTOR SAFEGUARDS LETTER, DATED OCTOBER 17, 2011, ON THE
DRAFT FINAL REGULATORY GUIDE 1.82, "WATER SOURCES FOR LONG-
TERM RECIRCULATION COOLING FOLLOWING A LOSS-OF-COOLANT
ACCIDENT," REVISION 4

This is a supplementary response to the ACRS letter dated October 17, 2011, regarding the Advisory Committee on Reactor Safeguards (ACRS or Committee) meeting on October 6–8, 2011.

During the full committee meeting, the staff discussed the proposed Revision 4 of Regulatory Guide (RG) 1.82, "Water Sources for Long-Term Recirculation Cooling Following a Loss-of-Coolant Accident." This RG is undergoing a major revision to consolidate and incorporate the latest NRC staff positions related to qualification and design of emergency core cooling system suction strainers that were developed during resolution of Generic Safety Issue (GSI)-191 in areas such as chemical effects, head loss testing, and protective coatings. The staff responded to the ACRS committee comments in a letter dated November 21, 2011 (ADAMS Accession No. ML113110706).

This letter provides the staff response to the ACRS consultant's report, which was reference number 2 in the October 17, 2011, letter.

We plan on publishing the RG by March 30, 2012. We would appreciate any feedback you have on the proposed changes to the enclosed RG before March 15, 2012.

Enclosures:

1. Staff Response to ACRS Consultant's Comments
2. Redline Markup of Proposed Changes to RG 1.82 Rev 4

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