March 7, 2008

MEMORANDUM TO: Allen L. Hiser, Jr., Branch Chief
Steam Generator Tube Integrity
and Chemical Engineering Branch
Division of Component Integrity
Office of Nuclear Reactor Regulation

FROM: Thomas Koshy, Branch Chief ***/RA/***
Mechanical and Electrical Engineering Branch
Division of Engineering
Office of Nuclear Regulatory Research

SUBJECT: TECHNICAL LETTER REPORT ON WCAP-16530-NP, EVALUATION OF POST-ACCIDENT CHEMICAL EFFECTS IN CONTAINMENT SUMP FLUIDS TO SUPPORT GSI-191

I am forwarding the enclosed letter report titled "Technical Letter Report on WCAP-16530-NP, Evaluation of Post-Accident Chemical Effects in Containment Sump Fluids to Support GSI-191" for your information, use and posting on the Nuclear Regulatory Commissions (NRC) GSI-191 public web-site. The report was prepared by Argonne National Laboratory under the sponsorship of the NRC's Office of Nuclear Regulatory Research, Division of Engineering. The enclosed report documents studies conducted by Argonne National Laboratory to evaluate the ability of the procedures in Westinghouse WCAP-16530-NP to produce aluminum and calcium precipitate surrogates, and the release rates of those precipitates, representative of those expected in a pH buffered post-LOCA sump pool environment.

Enclosure:
As stated

CONTACT: John Burke, RES/DE
301-415-1529

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