

March 26, 2006

MEMORANDUM TO: John Hannon, Chief
Plant Systems Branch
Division of Systems Safety and Analysis
Office of Nuclear Reactor Regulation

FROM: Jack Rosenthal, Chief ***Original signed by J. Rosenthal***
Safety Margins and Systems Analysis Branch
Division of Systems Analysis and Regulatory Effectiveness
Office of Nuclear Regulatory Research

SUBJECT: AP1000 CONTAINMENT DBA CALCULATIONS USING THE
CONTAIN CODE

As part of our AP-1000 activities, we requested that SNL perform a limited AP1000 containment analysis study using the CONTAIN code. A major component of this analysis was to study the limiting containment DBA events. After discussing the details with your staff (Ed Throm), it became apparent we wanted to use the latest mass/energy releases recently provided by Westinghouse, and NRR needed new AP1000 containment audit calculations with these latest releases. Attached is a summary of that analysis. Ed Throm provided comments to the initial draft and they have been included. Also, it was requested that this work be made publicly available, thus this correspondence is placed into ADAMS.

Furthermore, once we receive the input decks (on CD-ROM) from our contractor, a copy will be given to your staff. For further assistance please contact me or Allen Notafrancesco.

Attachment: As stated

cc w/o att.
G. Holahan, NRR
E. Throm, NRR

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