

May 25, 2001
FANP-01-1393

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: Use of CONTEMPT for Containment Response to MSLB

- References:
1. Framatome Technologies Letter JHT/96-52 to NRC dated August 8, 1996, "Use of CONTEMPT for Containment Response to MSLB".
 2. B&W Topical Report BAW-10095A, "CONTEMPT - Computer Program for Predicting Containment Pressure- Temperature Response to a Loss-of-Coolant Accident," Revision 0, January 1975.
 3. U.S. Nuclear Regulatory Commission, "Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment," NUREG-0588, Revision 1, July 1981

Gentlemen:

Framatome ANP Inc (FRA ANP) has been involved with licensing of replacement steam generators for over 10 years. A letter was sent to you (Reference 1) stating that during these projects, FRA ANP would use the CONTEMPT computer code to predict containment pressures and temperatures following a main steam line break (MSLB). That letter erroneously referenced Revision 1 of the topical report BAW 10095A instead of Revision 0 (Reference 2). Revision 0 is applicable to containment building integrity calculations.

FRA-ANP is clarifying to you that we use the CONTEMPT computer code to predict containment pressure and temperature following a MSLB and will be doing analysis in accordance with NUREG 0588 (Reference 3) when applicable. As requested by several utilities, FRA ANP will be using eight percent (8%) revaporization, as prescribed by NUREG 0588, for calculating vapor temperature response for equipment qualification.

As stated in the earlier letter (Reference 1), "...because the conservation equations are applicable to MSLB and because the calculations are in accordance with NUREG 0588, CONTEMPT is an adequate tool for predicting the containment building pressure and temperature response following a MSLB" for all plant types, as long as the plant-specific containment information is used.

TOIO

Add: G. F. Dick } E-KIDS
S. N. Bailey }

It is the position of FRA ANP that CONTEMPT can be used for analysis supporting 10CFR50.59 evaluations without any additional NRC approval. Although this letter is being provided to the NRC for information, a response is requested to confirm our position.

Very truly yours,

A handwritten signature in black ink, appearing to read 'R.W. Ganthner', written in a cursive style.

R.W. Ganthner
Vice President Engineering & Licensing

cc: J. J. Cudlin (OF53)
B. C. Maddox (OF 16)
G. F. Dick/NRC
S. N. Bailey/NRC