

72-1014

From: "Evan Rosenbaum" <Evan_Rosenbaum@holtec.com>
To: <cmr1@nrc.gov>
Date: 11/10/05 5:42PM
Subject: Holtec Feedback from 2 November 2005 Telecon

Chris,

We appreciate the telecon between the SFPO Staff and Holtec that occurred on 2 November 2005, where the SFPO Staff reminded us of their 23 March 2005 letter and the methodology discussed therein for calculating hydraulic resistance parameters for porous media used to model fuel assemblies in dry storage casks. We have revisited the methodology discussed in that letter, independently confirming the derivation of the equations therein, finding the methodology conservative and appropriate for use in dry storage cask thermal analysis.

We have performed porous media hydraulic resistance calculations, using the March 23rd letter methodology, for the GE-12/14 10x10 BWR and Westinghouse 17x17 OFA PWR fuel assemblies that are the design-basis thermal assemblies in our HI-STORM CoC Amendment Request #3. We find that the porous media hydraulic resistance parameters calculated using the March 23rd letter methodology are lower than the corresponding values that we have used in our amendment request. These results confirm that the values used in our amendment request are appropriately conservative.

We have attached our calculation sheets to this e-mail, and trust that the Staff's reviewers will find them to be correct. We believe that Holtec and the SFPO have reached a point of agreement on this technical issue, and look forward to the successful completion of the thermal review of our amendment request. Please contact me if the Staff has any questions.

Evan

Evan Rosenbaum, P.E.
Principal Engineer
Manager, Thermal-Hydraulics
Holtec International voice: (856) 797-0900 x-627
555 Lincoln Drive West fax: (856) 797-0909
Marlton, NJ 08053 e-mail: Evan_Rosenbaum@holtec.com

www.holtecinternational.com

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