

From: *RES* - Stuart Rubin *RES RI RES RES NR*
To: *RES* - Donald Carlson; John Caruso; Ralph Meyer; Steven Arndt; Undine Shoop; Yuri ~~Orchwa~~ *NR*
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Date: Mon, Apr 8, 2002 9:11 AM
Subject: Description of the Fuel Behavior Performance Used in German Licensing Procedures

I have received from Heinz Nabielek (Julich) via Dave Petti (INEEL) a paper copy of the "Description of the Fuel Behavior Performance Used in German Licensing Procedures for the HTR-Modul." The document provides additional insights into how the broader data base of German TRISO particle fuel testing, together with the plant-specific (HTR-Module) fuel irradiation testing, was to be used for "licensing" the HTR-Module in Germany

The document does a good job in explaining the relationship between fuel particle defects and heavy metal contamination from manufacturing, in-pile particle failures and particle failures during accidents are used to establish the (fuel) mechanistic source term for accident analysis. I believe that the approach is very similar to the approach that Exelon is taking for PBMR licensing (with PBMR fuel) in the US. *EXCEL 25*

I have asked Peggy Bennett to make additional copies of this proprietary report. Please contact Peggy if you would like to obtain a copy.

Stu

CC: Farouk Eltawila; John Flack; Margaret Bennett

FF/36