

From: Stuart Rubin *RS*  
To: Heinz Nabielek  
Date: Tue, Apr 2, 2002 8:56 AM  
Subject: Documents on German Regulatory Hearing on HTR Fuel Elements

Heinz:

Many thanks for your heroic efforts to retrieve and send the subject documents. They will be of great value to NRC as it continues to assess the advantages and disadvantages of alternative regulatory oversight options for HTR fuel fabrication versus performance. In this regard, it will be quite helpful to understand the approach that was taken by the Germany regulatory authority to ensure adequate protection of public health and safety as it relates to fuel fabrication vs fuel performance.

At the NRC/Exelon/DOE public meeting last week, Exelon offered to discuss at a future PBMR preapplication topical review meeting the subject of fuel product quality controls and fuel process quality controls in greater depth. I will followup to determine if it would be worthwhile to fit this topic into the mix of future PBMR preapplication topical meetings.

Also many thanks for sending the draft program agenda of the upcoming HTR/INET-TN HTR Fuel Technical Exchange Meeting at INET this May. I plan to pursue the possibilities of NRC participation as an "observer" for the first three days of the meeting.

Best regards,

Stu

>>> Heinz Nabielek <h.nabielek@fz-juelich.de> 04/02/02 06:48AM >>>  
Dear Stu,

after a prolonged search, I have retrieved the proceedings from the German regulatory hearing on fuel elements for the Siemens MODUL reactor, held at TÜV Rheinland, 10 November 1987. It consists of a NUKEM presentation "Qualifikation der Herstellung spezifikationsberechtigter Brennelemente" by Werner Heit of NUKEM (he is still active, presently designing PBMR fuel factory) and a Siemens-INTERATOM presentation "Experimentelle Absicherung des Brennelementverhaltens fuer Normal- und Stoerfallbedingungen des HTR-Moduls", by Hans Ragoss (retired 1991, died 1995).

At the meeting, the Forschungszentrum Juelich (Heinz Nabielek, Guenter Pott and Werner Schenk) were present only as background decoration.

There exists also an English version of the Ragoss paper "Description of Fuel Behavior Performance Used in the German Licensing Procedures for the HTR-Module" presented June 1989 at ORNL.

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I am airmailing all these papers to  
your Washington D.C. NRC address.

Best greetings

Heinz

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