

From: Donald Carlson *ile* *RES* *NRR* *RES*
To: *NRR* Akstulewicz, Frank; Caruso, Ralph; Flack, John, Holahan, Gary, King, Thomas;
Lyons, James, Rosenthal, Jack; Wermiel, Jared - *NRR*
Date: *NRR* Fri, Nov 23, 2001 3 22 PM
Subject: *RES* Clarification on WIMS vs SCALE and PBMR vs. LWR-MOX

RES and NRR management

Some clarification is needed in response to the message you received earlier today from Undine Shoop (copied below)

Of course, RES's (my) stated interest in making use of the WIMS8 code in our near-term exploratory neutronics studies for PBMR (and GT-MHR) does not relate in any way to NRR's LWR-MOX user-need memo, dated November 1999, or to any high-burnup LWR fuels issues, as suggested by Undine

Regarding RES's work related to the LWR-MOX user need, I am aware of no changes. As you may know, that work resides in Jack Rosenthal's branch, with Tony Ulses as the technical lead. In fact, Tony mentioned to me earlier this week that ORNL seems to be progressing well on its RES-sponsored work to complete a lattice-physics tool within the SCALE code system. In the interim, likewise consistent with the RES-NRR MOX agreement mentioned by Undine, I understand that Tony Ulses et al may be using WIMS8 to help cross check the developmental versions of SCALE as applied to the LWR-MOX lattice-physics needs. I agree that this is a technically sound plan.

Please let me know if you feel that a meeting or any additional clarification is needed on these matters

Don

>>> Undine Shoop 11/23/01 01:22PM >>>
Don,

NRR

Yes, I am aware that you have been promoting the codes from AEA Technology for some time.

As you know, an item in the MOX user need request dated November 5, 1999, from NRR to RES included the need for RES to provide NRR with a lattice physics capability. During the discussions between RES and NRR (which also included yourself), it was agreed that SCALE would be completed, providing the agency with an independent means of generating lattice physics data. In the 2 year interim needed to complete the work, the agency would obtain WIMS8. However, RES indicated that they did not have the funds to license WIMS for this interim period, therefore, NRR is funding this license. This is the agreed upon approach between the offices for meeting this item in the user need request. From the information you provided below, it appears that this is being changed without the consent or even the knowledge of NRR. I suggest that we have a meeting in the near future to discuss this issue.

Likewise, if you are suggesting research on fuels issues, that needs to be partnered in the fuel TAG.

Additionally, in future messages, please include the appropriate NRR level of management which should mirror the RES level of management for receipt of the message.

Undine

>>> Donald Carlson 11/19/01 06:01PM >>>
Undine,

RES

John Flack agrees that I should attend the local WIMS workshop next week. As you know, I have been proposing for several years that the NRC try WIMS.

We will be using the code in the near term to explore some PBMR physics issues. Could you please

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forward the workshop agenda? Thanks!

Don

CC: Cabbage, Amy; Fields, Mel, Gamberoni, Marsha; Lee, Richard; Shoop, Undine; Uhle, Jennifer; Ulses, Anthony