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From: Amy Cabbage
To: Caruso, Ralph; Lu, Shanlai; Orechwa, Yuri; Shoop, Undine
Date: Wed, Jun 19, 2002 8:51 AM
Subject: Fwd: Draft TRISO PIRT Tables from May 28-29, 2002 Pre-PIRT Meeting

In case you did not get this directly, see attached.

Information in this record was deleted
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Act, exemptions 5
FOIA- 2003-0032

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From: "Brent E. Boyack" <bboyack@lanl.gov> ^{RES} CONTRACTOR
Date: Tue, Jun 18, 2002 6:48 PM
Subject: Draft TRISO PIRT Tables from May 28-29, 2002 Pre-PIRT Meeting

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Colleagues,

Attached please find MS Word 6 and pdf versions of the draft tables from the May 28-29, 2002 TRISO Fuel Pre-PIRT meeting held May 28-29, 2002 at NRC Headquarters in Rockville, Maryland.

These files are provided for you information. No action is requested at this time.

I do want to provide a few words of explanation about the efforts expended on developing the tables following the meeting. These changes and updates are reflected in the attached files.

1. As we neared the last day of our meeting on May 29th, the workshop participants stated that they would like to have individual tables developed for each of three accident scenarios: (1) a heatup accident, (2) a chemical attack accident, and (3) a rapid reactivity accident.
2. Insufficient time remained during the meeting to develop these tables. Therefore, I have created draft PIRT lists for the three accidents. I have also provided a brief scenario description for each accident based upon the GT-HTR as this was the only accident sequence information I had available to me. I provided definitions for each item in each of the lists. You should consider these draft tables to be "straw men" for use by the workshop participants, either to adopt, modify, or completely change. For example, as the "Chemical Attack Accident" phenomena arise at the end of another transient, e.g., the "heat accident", it may be possible to include in the former accident only those phenomena that are specific to the late-phase accident when chemical attacks are possible.
3. There is a high degree of repetition of the items in each of the three accident lists. That is to be expected. However, there may be items that are specific to the accident that are not included. Any additions by the workshop participants are requested.
4. At the end of our meeting, Dana Powers offered to review the PIRT lists and offer his comments. He has recently done so and I have entered his comments and questions in the tables in "red" type. I have also revised some definitions per his suggestions and these are also indicated by "red" type.
5. The date for our next meeting has not yet been determined. The NRC will work with workshop participants to put the needed service contracts in place and then we will schedule our meeting.
6. If we follow the course outlined in our first meeting, the primary objective of our next meeting would be to create and agree upon the final TRISO fuel PIRT lists and definitions. The workshop

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participants would subsequently complete their individual ranking and rationale documentation efforts post-meeting. Should the NRC decide to follow another course of action regarding the next meeting, we will communicate this information to you prior to the meeting.

Finally, if you have any immediate comments or suggestions, please feel free to send them to me with a copy to Frank Odar at the NRC (fxo@nrc.gov).

Brent Boyack