

ALL NMSS SFPO

From: David Tang ^{NRC}
 To: Carl Withee; Christopher Bajwa; Francis Young; Henry Lee; Kenneth Erwin; ^{NRC}
 Mahendra Shah; Makuteswara Srinivasan; Mary Jane Ross-Lee; Robert Shewmaker; Steven Baggett ^{NRC}
 Date: 2/14/02 11:04AM ^{NRC}
 Subject: Re: SF STORAGE TEAM: INFORMATION ^{NRC}

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Bob, On Item 6, there are three primary categories of basket constructions, according to Chris Singh: (1) box-and-disk (NAC, FS, NUHOMS, etc) (2) plug-welded (TN), and (3) coplanar cell wall honeycomb (HI-STAR, HI-STORM). Since fuel tubes or cell walls are typically light gage stainless steel sheets (18 gage, say), compared to overpack shells, they don't offer any meaningful structural strength in resisting loadings. Therefore, we should be convinced upfront that they should not be part of structural models. Rather, the aluminum conductor plates (TN) or heat transfer disks (NAC, etc.) should be considered as part of the inventory which may ignite and burn to result in adverse conditions for spent fuels. I would like to see it being recongized by the thermal and material reviewers.

For transfer cask consideration of Item 7, I would suggest that we recognize it in the report discussion but leave it out for further evaluation for at least one good reason. The MPC transfer operation will be well attended by a huge contingent of plant personnel. There is simply no chance for any terrorist to attack it.

David

>>> Robert Shewmaker 02/14/02 09:23AM >>>

We got good comments on the Briefing presentation yesterday. Thanks for the good work. We look like we can function as a Team.

I know everyone is overburdened with mtgs at this time so I am not setting up a meeting at the present time. I, along with several other tech staff will be at LS-DYNA training next Tues and Wed.

If there is new information we need to discuss we might have a mtg on Thurs, 2/21, but there is a meeting with NAC at 1:00 where they will present their plane crash study, so any thing we would meet on would be short.

Take a look at the attachment. I have listed some Subtasks that are items we need to do. Please review and comment and add to as you identify an item. This is to be a living document as we work through the task at hand.

I want Carl, Ken and Steve to focus on Item #2 defining the largest source term for the four cask systems we have identified. Then to focus on Item #3. I hope we can get this by 3/1, especially Item #2.

Bob Shewmaker
 2/14/02

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