

From: Glenn Kelly, *NRR*
To: David Diec; Goutam Bagchi; Jason Schaperow; Joseph Staudenmeier; Kathy Gibson; *NRR+ RES*
Robert Palla; Vonna Ordaz
Date: Wednesday, March 07, 2001 09:35 AM
Subject: Re: Questions to ask the international community on SFP

Dave,

I think the fundamental question is whether other facilities have had loss of cooling/loss of inventory events at their SFPs and the consequences of these events. We need to know the following:

- a. if had event, date of event, description of event including cause(s) and what was done to mitigate event. Describe SFP, its cooling system(s), and its loss of cooling or loss of inventory mitigation equipment.
- b. Pool heat up rate, pool water inventory, estimated decay heat load, volume of inventory lost, total pool heatup, how discovered, alarms, type of monitoring, and extent operators followed detailed procedures.
- c. Have they performed a risk assessment of a loss of inventory in the SFP? IF so, provide.
- d. Do their regulations require that loss of inventory or loss of cooling in a SFP (for an operating reactor or decommissioning reactor) be reported? If so, how many events have occurred? How many spent fuel pools do they have?
- e. Do they have procedures and alarms for massive loss of inventory events in SFPs?
- f. How do they deal with security, insurance, and emergency planning for decommissioning spent fuel pools?

CC: Charles Tinkler; Diane Jackson; George Hubbard; Glenn Tracy; Timothy Collins

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