

**From:** Richard Barrett *NRR*  
**To:** Diane Jackson, Edward Throm, Glenn Kelly, James... *NRR*  
**Date:** Fri, Apr 2, 1999 11:13 AM  
**Subject:** Consequences of spent fuel pool accidents

Folks

On thursday afternoon we held a meeting in Holahan's office to discuss the overall approach to decommissioning and spent fuel pool accidents. Several important questions related to the consequences of such an accident were not well addressed. I think it is important for us to understand where we are going in this regard. Please plan to attend a meeting in my office to discuss this issue. If everyone can make it at 9:30 monday morning, I would appreciate it. This is an important activity with a short schedule.

The three major questions on my mind are: (1) how does a zirc fire accident progress with regard to fuel damage, fission product behavior and release characteristics (energy, release location), (2) how do we want to characterize the severity of consequences (curies released, person-rem...)?, and (3) what criteria should we use for evaluating acceptable probability for a given level of consequences (safety goal, 1.174,...)?

I don't suppose we can get any answers on monday, but I want to be sure everyone is pointed in the right direction and working together.

Thanks

—Rich

*B/1107*