

**From:** Diane Jackson, *NRR*  
**To:** Christopher Boyd, Christopher Gratton, Edward Co..., *NRR*  
**Date:** Wed, Apr 14, 1999 5:56 PM  
**Subject:** Re: RESPONSE FROM NEI MTG.

Hi all -

In today's meeting, one of the things that Mark Rubin was surprised by was that plants would not keep their SFPs clean. I wanted to make sure we all have common information.

For everyone's edification, here's some decommissioned plant events...

**Daily Highlight:** On February 3, 1999, approximately 1016 gallons of SFP water was inadvertently drained to the rad waste treatment system. A decrease in SFP level of approximately 3 inches occurred during a break from a maintenance activity that utilized a filtration/ pump skid lined up to take suction from the SFP surge tank and discharge to the SFP. Upon securing the pump, residual head created a reverse flow siphon pathway from the SFP to the surge tank which then overflowed to the rad waste treatment system. Plant operators identified the condition prior to the SFP water level reaching the SFP low level alarm and TS. [Not all shutdown plants have TS limits during no fuel movement. The hose was tied off but could have fallen 6 feet into the SFP. If it was not tied off, it could have fallen much farther. I do not know how long / to what level the siphon would have existed.]

Event Number: 35395; Notification date 2/23/1999; Big Rock Point; Loss of Offsite Power

Event Number: 35444; Notification date 3/5/1999; LaCrosse; Seismic concern with maintain SFP water level if the SFP return line (bottom of pool) ruptures during a seismic event

Attached is Bul 94-01 regarding the Dresden 1 freezing event of the service water pipe in January 1994. They postulated that the due to lack of freeze protection, that the spent fuel pool could have been subject to a drain. It also brought our attention to how bad the water quality was. The plant personnel all focused on the operating plants and believed that nothing could happen at the decommissioned plant.

Haddam Neck experienced a failed rigging during movement of an approximately 5 ton floor block. The corner of the block fell 2 inches, striking another block. The structural integrity was not compromised although it is considered a precursor event. (additional details unknown - check with Tom Fredricks HNeck PM)

Haddam Neck has had two leaking pipe events of their decontamination process piping.

Dresden 1 - May 1994 - 50,000 gallons of slightly radioactively contaminated water was unintentionally pumped from the condensate storage tank into the ground. The licensee was performing an in-service leak test and turned on a jockey pump to pressurize the system. The 2-inch pipe failed. Operations personnel observed an excessively large amount of water flowing from one of the storm sewer drains into the intake canal for Unit 1.

Also, there is an advanced-draft ( for staff review) NUREG by PNNL entitled "Postulated accidents for permanently shutdown reactors." While I do not think it is a good technical evaluation of information or accident analyses, it is a good summary of work that has been done by other people. For example, it lists all the analyses that decommissioned plants have and the conclusions. The last three events are described in a little more detail (not much). Some of you already have this report. For the accidents besides ones that lead to zirc fire, it may be useful. Please let me know if you would like a copy - I will send it down to repro.

Diane

B1137

**CC:** George Hubbard, John Hannon, Mark Rubin, Richar...