

From: "Sandike, Steven" <SSandik@entergy.com>
To: <JDN@nrc.gov>
Date: 9/15/05 3:15PM
Subject: Summary of most recent data

Jim,

Here is what we have so far:

1) The chem and radiochem data from 2003 in the U2 SFP

<<U2SFP03-05.xls>>

2) An ODCM calc on the potential dose from a 100 ml per day leak to Env:

<<u2sfprel.doc>>

3) Recent Tritium results on the water collected from the crack are consistent with pool water, but do not help us determine the age of the water, in light of the expected water from 1990 between the liner and concrete.

Chemically treated water from crack, run on liquid scin,
undistilled: 0.021 uCi/ml H-3

Distilled water from a small sample, corrected for dilution
factor: 0.020 uCi/ml H-3

While these values are only slightly lower than current pool Tritium, we are trying to be careful not to jump to conclusions regarding what this is and is not telling us. It is still very conceivable that this is old known water between the liner and concrete, and it is still possible that this could be an active leak. In my opinion, more, or more accurately, different testing is needed.

4) A gamma spec of a TORAY filter, looking for cations removed from the same water tested for H-3 above. This filter is cation based and will remove nearly all FP and AP like Cs. We expected to learn a lot from this analysis with regard to how much Cs-134 or Sb might be present in the recently discovered water. It shows only trace Cs-134 which in fact did NOT meet the abundance criteria of our 60-minute count on a 40% Int Ge detector.

5) We are still looking for old pool data from the 90s to lock down the Cs ratios at that time, in order to learn more from the existing ratios.

I will be at work Fri, Sep 16, and always available on my cell 914-805-1935. I hope this data is a good start.
Sorry for the delay.

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