

'06 JA-21 SWMU 21-021

**chamberlain, kathryn, NMENV**

**From:** Ron Rager [rrager@lanl.gov]  
**Sent:** Thursday, December 07, 2006 5:30 PM  
**To:** chamberlain, kathryn, NMENV  
**Cc:** 'Allan Chaloupka'  
**Subject:** Potential impact to SWMU 21-021 from water tower overflow runoff

Katie,

As I discussed with you earlier today, we had our two water towers overflow late yesterday. The overflow was caused by a re-start issue after the tanks were drained to perform work on our fire-water loop in preparation to permanently remove water from the tanks. The re-start caused some pressure issues and the tanks overflowed yesterday 11/6, starting at around 3 and ending at about 5 pm. It was estimated that about 15,000 gallons flowed from each of the two tanks. We have had two additional waterline breaks, both of which resulted in additional flows estimated from a few thousand up to 18,000 gallons flowing over the mesa.

We've spent some time walking the mesa in the areas of runoff, looking for impacts from these flows. The only place we have observed erosion is on a slope north of the DP North perimeter road. The erosion is near the west end of DP site proper and amounts to two areas 1-2-foot wide, 3-12-inches deep and extends for about 20-feet down the slope from where the water left the DP North Perimeter Road pavement.

Since this is in TA 21 boundary, it is also inside the 21-021 SWMU.

Regards,

Ron

Ron Rager  
EP-TA 21  
Cell: 505-231-7834  
Fax: 505-606-2864



11018

12/8/2006