

LANL 7-21-08



**Roberts, Kathryn, NMENV**

**From:** Mark S. Thacker [mthacker@lanl.gov]  
**Sent:** Wednesday, January 09, 2008 12:41 PM  
**To:** Roberts, Kathryn, NMENV  
**Cc:** Cobrain, Dave, NMENV; 'AntoinetteToya'; 'Day, Emily'; 'Roy Bohn'; 'Darryl Blain'  
**Subject:** RE: Extended Suite Sampling (21-022(h)-99, 21-023(a)-99, 21-024(d), 21-024(i))

Katie, in authorizing ARC to collect the additional samples I have been informed that a deviation from the work plan was required at this site and documented in the field.

"The distance from the end of the outlet line to the mesa edge is <10', allowing for only one 'row' of sampling at the mesa outfall. With concurrence from Emily D. we will sample at locations 16, 17, and at BH-2 location – all three locations two depths each: 0.0' – 0.5' and 2.0' - 3.0'. Locations 18, 19, and 20 will not be collected."

We can collect a sample for dioxins/furan and PCBs immediately downslope of BH-2, which should allow NMED an evaluation of the extent of the slightly elevated analytes. Please let me know if this is acceptable.

Mark

**From:** Roberts, Kathryn, NMENV [mailto:Kathryn.Roberts@state.nm.us]  
**Sent:** Monday, January 07, 2008 8:42 AM  
**To:** Mark S. Thacker  
**Cc:** Cobrain, Dave, NMENV  
**Subject:** Extended Suite Sampling (21-022(h)-99, 21-023(a)-99, 21-024(d), 21-024(i))

Mark,

NMED is in receipt of the extended suite sampling for SWMUs 21-022(h)-99, 21-023(a)-99, 21-024(d), 21-024(i). NMED has reviewed the data and determined that no further sampling for PCBs, dioxins/furans, and high explosives is required at SWMUs 21-022(h)-99, 21-023(a)-99, and 21-024(i).

The dioxin/furan TEQ (21.2) and the concentration of Aroclor-1254 (129 ug/kg) are below regulatory cleanup levels. However, the fact that both dioxins/furans and PCBs were found at elevated levels at this location in comparison to other SWMUs and AOCs in the area, is cause for concern.

The Permittees must conduct additional dioxin/furan and PCB sampling at locations 19 and 25 at SWMU 21-024(d).

Please let me know if you have any questions.

Katie

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