

chamberlain, kathryn, NMENV

From: krich@lanl.gov
Sent: Wednesday, May 03, 2006 2:59 PM
To: chamberlain, kathryn, NMENV
Cc: Cobrain, Dave, NMENV; Gabriela; ltrujillo@doeal.gov
Subject: RE: MDA C Update

Katie,

Yes, that is correct. We are waiting for the geophysical and seismic results before proceeding with drilling between Pits 1-4.

Kent

At 02:49 PM 5/3/2006, chamberlain, kathryn, NMENV wrote:

Kent,

Thanks for the update. NMED agrees with the relocation of borehole BH-7 that was supposed to be located at the northeast corner of Pit 6. In your email you indicated that you had drilled 31 of 32 boreholes surrounding the pits. I'm assuming this means the eleven (11) boreholes (BH-28-BH-38) located between Pits 1-4 have not been drilled? If you could clarify this for me, it would be most appreciated.

I will keep a look out for any sampling results. We would be more than willing to meet to discuss the analytical data and results from the geophysical survey.

Thanks,
Katie

From: krich@lanl.gov [mailto:krich@lanl.gov]
Sent: Wednesday, May 03, 2006 9:34 AM
To: chamberlain, kathryn, NMENV
Cc: Gabriela Lopez Escobedo; Tony Trujillo
Subject: MDA C Update

Hi Katie,

We have just finished drilling 31 of 32 boreholes surrounding the pits at MDA C. We are continuing to drill the 800 ft borehole located north of Pit 5, but have experienced numerous problems. We are currently at a depth of 420 ft and are planning on setting a liner to this depth to assist with maintaining circulation. I will keep you posted if we continue to have problems. After completing this borehole, we will use the air rig to extend the borehole depth at the three other selected locations. These boreholes will be extended 25 ft below the last detected pore-gas VOC's and tritium sample collected from the 800 ft borehole. Pore-gas sampling for VOC's and tritium is continuing at all of the completed borehole locations. We anticipate pore-gas sampling will continue through June.

The borehole that was located at the northeast corner of Pit 6 ended up being moved to a new location. We were not able to get the drill rig into the corner of Pit 6 since TA-50 has numerous drums that are being stored on the other side of the fence. We were required to keep a 30 ft distance from these drums and



moved the location approximately 20 ft from the corner location while maintaining the 10 ft setback from the Pit 6 boundary. However, while drilling we encountered small pieces of plastic, rubber, and remnants of two rubber gloves at 10 ft. Although the material did not have elevated radiation levels, LANL decided to stop drilling at this location and according to the documented safety requirements, the borehole was moved ~18 ft perpendicular to the east end of Pit 6. We decided to keep the borehole within the MDA C fence line and moved it in front of the northern gate. Although this new location is not in the corner of Pit 6, it does satisfy two order requirements in that it is down-slope of Pit 6 and is located near the corner of Pit 5. I have included a revised map with the new location.

A geophysical survey was completed last week in an attempt to locate the boundaries between Pits 1-4. The survey included EM-31, EM-61, Cesium Vapor Magnetometer, and GPR. A multichannel analysis of surface wave (MASW) seismic survey was also conducted at the site. Data was collected along a total of six seismic lines running perpendicular to the length of Pits 1-4. The seismic data will be used with the GPR and geophysical data to attempt to locate the pit boundaries. The results from the survey should be completed by the end of next week. I will send you the geophysical survey report as soon as it is available. I would also like to meet with you after you have had a chance to review the report.

Preliminary sampling data is coming in slowly and I will attempt to send you the results as soon as possible. Perhaps we can meet in a few weeks to discuss the data and the results from the geophysical survey. Please let me know if you require any additional information regarding the activities at MDA C.

Thanks,

Kent

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