LANL '08 TA-50, SWMU 50-009, MDA C

Roberts, Kathryn, NMENV ENTERED

From: Roberts, Kathryn, NMENV
Sent: Thursday, June 12, 2008 8:03 AM
To: 'krich@lanl.gov'
Cc: Cobrain, Dave, NMENV; Dave McInroy; Cheryl Rodriguez
Subject: RE: MDA C Pilot Study - BH 50-24821

Kent,

I apologize that we haven't responded to your email request sooner. NMED concurs with the Permittees recommendation that a 450-ft FLUTe be installed at location 50-24821 to ensure that comparable data is obtained for the pilot study. NMED will determine whether or not additional sampling is required to define the extent of vapor-phase contamination at this location at a future date.

Please let me know if you have any questions.

Katie

From: krich@lanl.gov [mailto:krich@lanl.gov]
Sent: Thursday, June 05, 2008 3:37 PM
To: Roberts, Kathryn, NMENV
Cc: Cobrain, Dave, NMENV; Dave McInroy; Cheryl Rodriguez
Subject: MDA C Pilot Study - BH 50-24821

Katie,

As a follow up to the email I sent you on April 14, 2008, we have continued to encounter technical problems at MDA C with installing FLUTe systems at depths greater than 450 ft. The second 600 ft FLUTe attempted at borehole 50-24820 also collapsed although 18 of the 20 sampling port are usable. We are actively working with the manufacturer to resolve the technical problems associated with installing FLUTe at depths greater than 450 ft. However, installations at depths great than 450 ft may continue to be problematic.

We are currently at a depth of 450 ft at borehole 50-24821 which is located approximately 300 ft east of borehole 50-24820. The preliminary TCE concentration at 450 ft was 7,200 ug/m3. This is higher than the 2,100 ug/m3 screening level concentration identified in the Phase II work plan. However, the TCE data collected at 50-24820 showed a decreasing trend in concentration from 450 to 600 ft (12,000 to 460 ug/m3 respectively). We anticipate a similar decreasing trend in TCE concentrations at borehole 50-24821 if drilling beyond 450 ft occurred.

To avoid potential FLUTe installation problems at borehole 50-24821 beyond 450 ft, and to ensure that we are able to collect comparative vapor data as part of the pilot study, I request approval to install a 450 ft FLUTe system at this location.

Thanks,
Kent

Kent C. Rich
Environmental Programs Directorate
Corrective Actions Project

30455

6/12/2008

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