

Roberts, Kathryn, NMENV

From: Roberts, Kathryn, NMENV
Sent: Tuesday, June 02, 2009 8:24 AM
To: 'John McCann'
Cc: Cobrain, Dave, NMENV
Subject: RE: Boreholes at TA-39-001(a) and 39-001(b)

John,

Prior to giving you instructions regarding the angled boreholes at TA-39 we have a few other questions.

1) Do the last two digits of the borehole IDs in the RFI Report correspond to the last two digits of the borehole IDs in your table (e.g., 39-1111 (RFI Report) corresponds to ASC-11)?

2) Are there any field notes, which may not have made it into the RFI, available for review for these angled holes?

3) Are you positive that there's no slotted section of the PVC in the angled boreholes?

In order to determine the source of the water in the angled boreholes and prior to abandonment, we would like you to attempt to remove (in tact) the PVC in a few of the angled boreholes so that the actual construction of the "wells" can be evaluated. Specifically, 39-1119, 39-1114, and 39-1112. These three seem to have the least amount of water.

Additionally, the vertical boreholes can be abandoned in accordance with Section X.D of the March 1, 2005 Order on Consent (Order) and Section 5.1.6 of the approved North Ancho Canyon Aggregate Area Investigation Work Plan, Revision 1.

We can talk more on Friday if necessary, but let me know if you have any questions.

Thanks,
 Katie

-----Original Message-----

From: John McCann [mailto:jmccann@lanl.gov]
Sent: Monday, June 01, 2009 12:33 PM
To: Roberts, Kathryn, NMENV
Subject: FW: Boreholes at TA-39-001(a) and 39-001(b)

Katie -

Attached is a table containing the information on our May 09 water level check of the angled boreholes at TA-39. From the information I have reviewed, these angled boreholes contain 2-inch PVC sleeves that were installed to keep the boreholes open and competent during drilling, and to facilitate borehole logging (Ref: March 97 TA-39 RFI Rpt). In the attached table, TOC stands for top of column and TD is total depth, both in feet. The delta is therefore, the angled water level in feet (we had to devise a special rod to sound these angled boreholes). There is no information in the archive to suggest these boreholes were ever completed as gw monitoring wells. Based on the presence of water when tagged, I am very suspicious that they may be capped at the bottom. These boreholes are not currently checked as part of the Lab's ongoing gw monitoring program. If we were to obtain a sample of this water today, it is my professional opinion that the etiology of the water is condensation inside the PVC sleeves.

The two vertical boreholes located in the vicinity of MDA-Y were completed as stainless steel monitoring wells, DM-6 and UM-3 (Ref: March 97 TA-39 RFI Rpt), and have been included in the Lab's monitoring program. These two wells have been historically dry. The latest check was April 09, no water was present, and therefore, no recent samples have been obtained from these wells. R-31 is also in this vicinity and may lend some



information on water levels. DM-4, a vertical monitoring well located in the vicinity of 39-001(a) is not included in the Lab's ongoing monitoring program.

Please advise at your earliest convenience as to the disposition of the angled boreholes. It is our intent to plug and abandon the vertical boreholes as part this field campaign. We do not propose to decommission any of the vertical stainless steel monitoring wells.

Thank you for your prompt attention to this matter -

John

John P. McCann
Corrective Actions Program
Los Alamos National Laboratory
Phone: (505) 665-1091
Cell: (505) 699-2204

----- Forwarded Message
From: "Mark E. Vaneeckhout" <mvaneeck@lanl.gov>
Date: Wed, 20 May 2009 11:17:17 -0600
To: <jmccann@lanl.gov>
Subject: FW: Boreholes at TA-39-001(a) and 39-001(b)

John:

Can you ask the NMED what they would like us to do with these monitoring holes? Thanks

Mark Van Eeckhout

Los Alamos National Lab

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email address: mvaneeck@lanl.gov

-----Original Message-----
From: Graydon Anderson [mailto:graydon@lanl.gov]
Sent: Wednesday, May 20, 2009 10:06 AM
To: mvaneeck@lanl.gov
Cc: mikea@lanl.gov; jaa@lanl.gov
Subject: Boreholes at TA-39-001(a) and 39-001(b)

Hi Mark;

On 5/19/2009, John Archuleta and I made manual water level measurements at the boreholes at TA-39. In several cases we had to cut padlocks on the wells to gain access, as discussed in a phone conversation with you during the progress of the work. Note that all but one of the angled boreholes had water in them. The data for ASC-15 is NOT a misprint; this borehole has an anomalous amount of water in it.

Please contact me or John Archulketa if you require further information.

-Graydon Anderson

----- End of Forwarded Message