

Shen, Hai, NMENV

From: Young, John, NMENV
Sent: Thursday, February 01, 2007 3:14 PM
To: Bearzi, James, NMENV; Shen, Hai, NMENV; Cobrain, Dave, NMENV
Cc: Dale, Michael
Subject: RE: Rush Voa results for R-20 Screens

James,

We need to sit down and talk about an approach to tackling the do we rehab or drill a new well problem. This goes for any well. In the interim, I asked Mat and Jean if we can meet informally and discuss the results of ALL the rehabilitation efforts, formulate a plan, document formally, and implement. This was prompted by a sudden realization...the pilot rehab status document due in March isn't going to get us very far on answering whether rehab works or not. This document will only report on R-16 rehab efforts (they just pumped the screens again), not where more vigorous methods such as surging, jetting, etc. took place. If we don't LANL's next step would be to submit another report and then another report...by the time we've reviewed the documents and finally agreed to an approach, another year and half has passed by and the same questions will still loom over us. My thought is that by proceeding informally, we can expedite if and when/where to try and rehabilitate wells and make progress towards decisions in a timely manner. The only problems envisioned are: how do we document our mutual conclusions regarding rehab and; we would have to ask LANL to not submit the March pilot well rehab status document (perhaps we trade it out with the document we develop as a result of our informal rehab discussions?).

During this meeting we also want to discuss the content of the letter requiring "well assessments" for TA-54/MDAs, other sites and the individual watersheds where investigation has been completed. Note that the Order mandates a long-term watershed specific monitoring plan once characterization is complete.

Based on the recent CCNS correspondence with the NAS, I'm speculating that there will be serious interest in the 260 CMI for Intermediate and Regional Groundwater.

john

From: Bearzi, James, NMENV
Sent: Saturday, January 27, 2007 5:00 PM
To: Young, John, NMENV; Shen, Hai, NMENV; Cobrain, Dave, NMENV
Cc: Dale, Michael
Subject: RE: Rush Voa results for R-20 Screens

Agree with the ball rolling part. Is it interim measure time, or is there an ongoing investigation in the vicinity that could serve as a vehicle to get on this?

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Handwritten notes: (1) PB (2) 2007 (3) F

Rush Voa results for R-20 Screens

From: Young, John, NMENV
Sent: Friday, January 26, 2007 4:35 PM
To: Shen, Hai, NMENV; Cobrain, Dave, NMENV
Cc: Bearzi, James, NMENV; Dale, Michael
Subject: RE: Rush Voa results for R-20 Screens

All-

How do we want to proceed? We have two "hits" of toluene from the same well and we should start the ball rolling on this before we get ridiculed for not doing anything about the toluene or a poor quality well.

From: Shen, Hai, NMENV
Sent: Friday, January 26, 2007 2:34 PM
To: Young, John, NMENV; Cobrain, Dave, NMENV
Cc: Bearzi, James, NMENV
Subject: FW: Rush Voa results for R-20 Screens

John and Dave,

Attached is the data for R-20 Screens 1, 2 and 3. Toluene was still detected from all three screens, but not from the trip blank (ID: R-20 screen 3-1-19-07-a). The presence of toluene even at low concentrations confirmed that toluene has reached the regional aquifer. Screens 3 was sampled when DO was read at 0.09 mg/L and ORP at -109.8 mv; screen 1 was sampled when DO at 0.99 mg/L and ORP at 7.02 mv. Apparently, the samples were collected not from fresh formation water, implying that the toluene could be higher in the regional groundwater. The initial purging water from screen 2 also shows DO at 0.56 mg/L and ORP at -185 mv. It can be concluded that all three screens have not been reasonably rehabed.

Hai

From: Lance Steere [mailto:lsteere@paragonlabs.com]
Sent: Fri 1/26/2007 11:51 AM
To: Cobrain, Dave, NMENV; Shen, Hai, NMENV
Cc: kgranzow@lanl.gov
Subject: Rush Voa results for R-20 Screens

Gentlemen,

here are your rush results for 4 samples received 1/24/07.

The hardcopy report and copies on CD will ship today.

Please call if you have any questions...

Lance Steere, Project Manager
Paragon Analytics, a division of Data Chem
(970) 490-1511 ext 218

2/1/2007