Aids 2, 3

McClanahan, Kathy N LRN

From: Long, Lannae J LRN
Sent: Wednesday, February 28, 2007 12:56 PM
To: (Paul.Jayko@epa.state.oh.us)
Cc: Archie Lunsey; John Weaver (Weaver, John); Long, Lannae J LRN (Lannae.J.Long@lrn02.usace.army.mil); McClanahan, Kathy N LRN (Kathy.N.McClanahan@lrn02.usace.army.mil); Mullendore, Douglas L LRN (Douglas.L.Mullendore@lrn02.usace.army.mil); Beaujon, James S LRN (James.S.Beaujon@lrn02.usace.army.mil); Hardesty, Al
Subject: (UNCLASSIFIED)

Attachments: Shallow GW mtg 2001.pdf

Shallow GW mtg 2001.pdf (168 K...

Classification: UNCLASSIFIED
Caveats: NONE

Hello Paul,

Would you and John Weaver be available to review the following discussion regarding shallow groundwater at Acid Areas 2 & 3 (AA2 & 3)? We would like to get OEPA's perspective and we hope to discuss this at the March 8 team meeting, to make sure that we are all in agreement regarding the path forward for the Final AA2 & 3 RI Report.

Several comments were received from the USACE HTRW Center of Expertise regarding a ›ssible data gap in the shallow groundwater down gradient of AA2. In two of the mments it is requested that further discussion regarding shallow groundwater be included ›n the text. We agree that the text needs to draw some conclusions about shallow groundwater, however we want to make sure we agree as a team before we respond. It is our opinion that no further characterization should be conducted.

Based on the hydrogeologic data, the shallow groundwater is not of sufficient quantity to be a viable groundwater resource. Three shallow monitoring wells were sampled at AA2 during the 2005 RI. Purge records during the RI sampling events indicate yields of 210 ml/min and 300 ml/min at monitoring wells MK-MW09 and AA2-GW002 respectively. Monitoring well IT-MW10 was purged dry and sampled upon recovery. Also the analytical data shows that the shallow groundwater is not being contaminated by PCBs and PAHs which are the primary soil contaminant.

Based on this data, shallow groundwater is included in the quantitative human health risk assessment, and is being addressed in a qualitative manner. This approach has been presented in the Draft Risk Assessment Work Plan.

In the past, the PBOW team has evaluated the shallow groundwater at the AOC level (see attached memo from 2001). For several AOCs it was concluded that shallow groundwater would be addressed qualitatively. It was the team's consensus to continue evaluating the shallow groundwater at future AOCs on a case-by-case basis. These evaluations are typically based on lithologic data and available well yield information to determine if additional quantitative characterization is warranted. Considering that quantitative groundwater data has been collected at AA2 and that the yields are very low, we believe no further characterization is warranted.

Please take a look at this with John Weaver before our PBOW Team meeting. Let us know if your conclusions are the same. I hope to spend a couple minutes at the PBOW Team meeting catch everyone up on the shallow groundwater, and the conclusion we come time for AA2 3.

Thanks so much Paul, and see you on March 8th.

Lannae

Lannae J Long
Environmental Engineer
CELRN-EC-R-D
P.O. Box 1070
Nashville, TN 37202
615-736-2049 (ph)
615-736-7676 (fax)
Lannae.J.Long@us.army.mil

Classification: UNCLASSIFIED
Caveats: NONE