

From: <PLuthiger@ramc.net>
To: "Stephen Cohen" <SJC7@nrc.gov>
Date: 12/16/05 12:07PM
Subject: Re: Final EA

Steve,
Hopefully the info provided below helps you answer your question.

Looking at the data down near the POE (Section 4 wells and 5-08), we see the same trend regarding declining water levels which seems to throw a curve into how the data can get interpreted. The chart below provides the 5-08 water level data since 1999 showing the reduction in the water present in the alluvium down near the well.

(Embedded image moved to file: pic06334.pcx)

Overall, the concentrations have remained relatively constant, but as water levels decrease (i.e., quantity of water used to calculate flux across a point) mathematically, it would show an increase due to the reduced amount of water. This could get interpreted (incorrectly, we believe) that more constituents could leave the site over time, when in fact it supports the prediction that terminating the driver in the system essentially stops the mass from moving toward the POE thereby actually drastically reducing any flux across the POE boundary.

Another wrench in the mix is that as you head down toward the POE direction, you enter that 'mixing zone' comprised of all the historic activities in the valley (mine dewatering, other mills, etc..) and we believe is actually what represents the majority of the water down near the POE.

Because of these site specific conditions, we do not believe that determining a flux is meaningful in this situation. Let me know if you need any more info.

Peter

CC: <derskine@maximusa.com>

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