From: Scott Ellinger
To: Moats, William, NMENV
Subject: Re: FW: 10-9 AWRA-NM talk KAFB BFFS information
Date: 10/30/2012 02:00 PM

Thanks Will. I'll review the information.

▼ "Moats, William, NMENV" ---10/30/2012 12:23:09 PM---Scott, Here is some information put together by Dr. John Hawley. Dr. Hawley is an expert in the geo

From: "Moats, William, NMENV" <Williams.Moats@state.nm.us>
To: Scott Ellinger/R6/USEPA/US@EPA
Date: 10/30/2012 12:23 PM
Subject: FW: 10-9 AWRA-NM talk KAFB BFFS information

Scott,

Here is some information put together by Dr. John Hawley. Dr. Hawley is an expert in the geology of the Albuquerque Basin.

We don't see evidence of the fault control on the plume's east margin. It could be the fault dies out deeper than he expects.

--Will

****

Will and Bill-

My apologies for not sharing these items with you sooner, but I've been involved in a host of other more lucrative and much-less controversial activities. Note also that this information has already been passed on to Jim Davis and John Kieling (and very recently to Sid Brandwein).

The attachments cover much of the material presented in my 10/9 AWRA-NM talk. I've gotten quite a bit of feedback over the last 3 weeks, and have *synthesized* the oral presentation and added a few more supporting references accordingly. The acknowledgements section has also been expanded.

As you can surmise, the issue of contamination of individual water-supply wells and well fields, while quite important, is not my only major concern. Much more important, particularly when long-term economic and environmental consequences are considered, is the impairment of the

ABCWUA's ability to recharge and store *conserved-water* in the historically dewatered part of the East Heights aquifer system. Note that I indirectly hit on this theme in the AWRA talk (with remarks paraphrased as follows): "Finally, a related concern deserves mention. In 1992-1995 there was a concerted effort by the COA-Public Works Department, CDM (Camp, Dresser and McKee, Inc.), USBOR, and NMBG&MR to locate sites for artificial recharge of reclaimed wastewater in the Albuquerque-Rio Rancho area (e.g. Gorder et al. 1995, Whitworth 1995, Hawley 1996, Hansen and Gorbach 1997). Needless to say some of the most favorable aquifer-recharge sites were located in SE Albuquerque. These circumstances are thus quite germane to current assessment of aquifer storage and retrieval (ASR) strategies by the ABCWUA. Obviously, the KAFB jet-fuel spill complicates or may preclude ASR in an important part of the SE ABQ aquifer system."

So, it looks like I really have kicked over the proverbial "hornet's nest," particularly now that off/or/onsite-sourced PCE's may also be present in the contaminant mix (10/20 ABQ Journal-headline article).

Thanks from this private party for all the great work you've done over so many years, and will continue to do! And, a formal reply definitely isn't expected.

John

John W. Hawley, Ph.D.
Certified Professional Geologist, C.P.G. 2309
50 Years of Service to the New Mexico Region's
Environmental Earth Sciences
P.O. Box 4370
Albuquerque, NM 87197-4370
Phone/FAX (505) 255-4847
Cell Phone (505) 263-6921
Physical Address:
1000 Vassar Drive NE
Albuquerque, NM 87106-2631

Woman is 53 But Looks 25
Mom reveals 1 simple wrinkle trick that has angered doctors...
ConsumerLifestyleMag.com[attachment "AWRA-NM 10-9 JWH talk.docx" deleted by Scott Ellinger/R6/USEPA/US] [attachment "AWRA10-9-12.ppt" deleted by Scott Ellinger/R6/USEPA/US]