



KAB ST-100, ST-111  
Bulk Fuels Facility  
Spill

**Cobrain, Dave, NMENV**

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**From:** Cobrain, Dave, NMENV  
**Sent:** Thursday, September 05, 2013 10:34 AM  
**To:** Kieling, John, NMENV  
**Subject:** RE: INTERA Pumping Test Evaluation

John,

I looked at it yesterday. It's based on the work proposed in the July 2011 IM plan which was not implemented as proposed (e.g., one well installed instead of two, possible different well diameter than proposed, location may not be the same as proposed) although I only looked at the one section of the IM plan, while we were on the phone during last week's meeting, and not the maps etc. Their concerns are the same as mine. Some of that was covered in our generalized July 29<sup>th</sup> draft extraction well letter and subsequently deleted in CB&I's edited version. I expect CB&I will resist any effort to get all appropriate information (e.g., use of high pumping rates, addition of observation wells closer to 106157 [impossible anyway under the current schedule]) for use to determine whether pump and treat is an option or in the design of a pump and treat system. It's likely Tom will agree with CB&I in the interest of speed in order to meet the deadlines declared in the press release. There are some significant shortcomings to being able to use the data to design an EDB containment system if the pump test turns out to be a single well test. CB&I clearly wants to rely on the models to make decisions regarding groundwater extraction as a remedial option. None of the models will be calibrated with data collected on a scale local to the plume itself, which could also cause significant problems with design of an EDB containment system. Past slug test data collected by Shaw has deficiencies that are even more significant than single well test data would especially since the subsurface generally consists of coarse-grained materials.

Dave

Main HWB Phone: 505-476-6000  
Direct Office Phone: 505-476-6055  
Fax: 505-476-6030 or 505-476-6060

**From:** Kieling, John, NMENV  
**Sent:** Thursday, September 05, 2013 9:38 AM  
**To:** Cobrain, Dave, NMENV  
**Subject:** FW: INTERA Pumping Test Evaluation

Dave,

I am sure you have not had a chance to look at INTERA's evaluation. Let me know if you can take a cursory look and see what the issues are. I will talk more on this later today.

Thanks, John

**From:** Shean, Frederic [<mailto:fshean@abcwua.org>]  
**Sent:** Thursday, September 05, 2013 6:58 AM  
**To:** Kieling, John, NMENV; Cobrain, Dave, NMENV  
**Cc:** Blaine, Tom, NMENV; John Sigda ([jsigda@intera.com](mailto:jsigda@intera.com)); Billings, Rick M.  
**Subject:** INTERA Pumping Test Evaluation

John and Dave,

I didn't get to speak with you after yesterday's meeting, but if you would like to follow up with me and John Sigda of INTERA on his evaluation of the proposed pumping test, which I have previously passed on to you through Tom, please



feel to call him directly at 246-1600. If you would like a sit down with him, I'd be happy to schedule a meeting at your convenience.

Sincerely,

***Rick Shean***

*Water Quality Hydrologist*

*Albuquerque Bernalillo County Water Utility Authority*

*P.O. Box 568*

*Albuquerque, NM 87103*

*505-768-3634 (office)*

*505- 366-7561(mobile)*