

Importance: High

-----Original Message-----

From: Dale, Michael, NMENV [mailto:Michael.Dale@state.nm.us]  
Sent: Monday, August 29, 2011 10:43 AM  
To: Everett, Mark C  
Cc: Cobrain, Dave, NMENV; Kulis, Jerzy, NMENV; Shen, Hai; Woodworth, Lance A; Ball, Theodore T  
Subject: RE: R-66 testing work plan question

Mark,

To clarify the requirements as documented (item #3) in NMED's approval letter for the installation of R-66(TW-3r), dated March 31, 2011:

At a minimum, LANL must perform: 1) single-hole aquifer test at R-66 similar to the many R-well pumping tests that have occurred across the Pajarito Plateau, and 2) perform a cross-hole pumping test between R-66 and TW-3 with water-level monitoring at nearby wells.

Specifically, several short duration tests or trial tests shall be performed at R-66 in order to determine the optimal pumping rate. Following the short-duration tests, a single-hole 24-hour aquifer test must be conducted at R-66 in order to estimate specific capacities and compute lower and upper bounding transmissivity values for the aquifer material at R-66. During the 24-hour aquifer test, water-level monitoring shall be conducted at all nearby wells. If drawdown at TW-3 during the 24-hour aquifer-testing period at R-66 is significant enough to obtain a second set of aquifer properties, then the 24-hour aquifer-testing will satisfy requirement #2 as noted above. If little or no drawdown is recorded in TW-3 from the pumping of R-66, then LANL has the option of continuing the pumping at R-66 in order to achieve communication with TW-3 or stop the test at R-66 and begin the cross-hole pumping test via pumping from TW-3 and using R-66 as the observation well.

Please contact me if additional information is needed concerning this issue. Thank you.

Michael Dale

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From: Everett, Mark C [meverett@lanl.gov]  
Sent: Monday, August 29, 2011 8:43 AM  
To: Dale, Michael, NMENV  
Cc: Ball, Theodore T; Shen, Hai; Woodworth, Lance A.; Cobrain, Dave, NMENV; Kulis, Jerzy, NMENV  
Subject: R-66 testing work plan question

Michael,

When you and I spoke recently you offered to write up a brief e-mail describing your expectations for the aquifer testing at TW-3r (R-66). I would like to take you up on your offer so that our work plan will hopefully meet all of the testing objectives. Our work plan



is due to you the 2nd week of September, so the sooner you can get back to me the better for our folks over here.

Thanks,

Mark Everett, PG  
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