From: Scott Ellinger
To: Moats, William, NMENV
Cc: Kieling, John, NMENV; Tara Hubner; Laurie King; Ben Banipal
Subject: RE: Work Plan/QA Plan
Date: 03/13/2012 08:59 AM

On the calibration residual, I try and achieve a normalized root mean square (RMS) of less than 10%. But I also look at the distribution of monitoring wells through the model domain, relative to the normalized RMS, because the statistic can be misleading if monitoring wells are too close together. I also look for the mean residual value being too low (close to 0) because that can indicate calibration problems. I'll add some language to the QA plan on these.

It sounds like data are being generated quickly enough that validation will be possible. On some projects there just isn't enough data, finances, or time to perform validation.

No problem building more time into the schedule for the conceptual model.

Thanks for your input.

▼ "Moats, William, NMENV" ---03/12/2012 03:51:12 PM---Hi Scott, A few minor comments:

From: "Moats, William, NMENV" <Williams.Moats@state.nm.us>
To: Scott Ellinger/R6/USEPA/US@EPA
Cc: "Kieling, John, NMENV" <john.kieling@state.nm.us>
Date: 03/12/2012 03:51 PM
Subject: RE: Work Plan/QA Plan

Hi Scott,

A few minor comments:

1. On page 5, the zip code for John Kieling's address should be 87505-6303.
2. Page 13, Table 1, Project Schedule – the table is not referenced in the main body of the text.
3. Page 18, Sect. A.7.1.e, 2nd bullet references PCE/TCE degradation which is not an issue for this particular project.

Of more significance, In Sect. B7, starting on page 27, what constitutes acceptable residual when calibrating the model?

On page 38, at the end of the section on "Model Construction, Simulations, and Calibrations", there is the statement "Because of the time required to collect validation data outside of the calibration data set, EPA may issue a final project report prior to validation taking place." We think EPA should validate the model before reporting results.

With respect to the schedule in Table 1, you might want to give more time to acquire data for the conceptual site model. The last quarterly report was received in December and this was supposed to be the first quarterly report that contained data for all wells. The next report is due at the end of March.

My phone # is 505-222-9551 if you wish to call to discuss these comments.

We appreciate yours and EPA's help on the Bulk Fuels project.

- Will

From: Scott Ellinger [mailto:Ellinger.Scott@epamail.epa.gov]
Sent: Wednesday, March 07, 2012 6:38 AM
To: Moats, William, NMENV
Cc: Ben Banipal; Laurie King
Subject: Work Plan/QA Plan

Hi Will,

Here is the draft groundwater modeling Work Plan/QA Plan. You don't have to provide any comments but I would like to hear any thoughts you may have.

Also, when things get a little further along, I would like to meet and go over the model setup and visit the site. I was thinking about May 16-17 if you are available.