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|---|---|
| **From:** | Barquest, Bradley A UTCHQ |
| **To:** | Chavira, Raymond |
| **Cc:** | <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com); Kerang Sun (Kerang.Sun@CH2M.com); Scott.Parsons@tetratech.com; Lee, Don (Don.Lee@tetratech.com) |
| **Subject:** | Selection Process for the MW 8-3 Location |
| **Date:** | Monday, September 16, 2013 3:18:23 PM |
| **Attachments:** | well loc map MW8-2.pdf<br>MW8-3_loc.pdf |

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Ray, UTC shares EPA's desire to initiate MW 8-3 monitoring well installation activities in support of the PVOU Shallow Zone North Early Action in a timely manner, and to install MW8-3 in a location that will best serve the project objectives. As we discussed on September 11, 2013 the initial (tentative) selection of the MW 8-3 drilling location was based on EPA's and CH2MHill's assumption that PVOU Shallow Zone groundwater within this portion of the Site flowed in a more northerly direction than previously believed (an assumption reportedly influenced by P-1 and PMW-1 data). However, the recent analytical data associated with completed monitoring wells MW8-1 and MW8-2 indicate that this is probably not the case, and that the originally interpreted flow direction may be more accurate. Due to this uncertainty, we (EPA, CH2MHill, Tetra-Tech and UTC) discussed and agreed that additional consideration should be given to the potential location for MW8-3 and thus avoid potential schedule setbacks that could arise should MW8-3 were improperly located.

To facilitate this additional consideration, it was agreed to implement a data driven approach consisting of the following expedited actions to select the appropriate MW8-3 location:

- finish monitoring well MW8-2 construction and development (competed)
- collect groundwater samples for laboratory analysis from the newly installed monitoring wells at MW8-2 location (in process);
- survey reference elevation measuring points at the MW8-2 monitoring wells (in process);
- collect groundwater elevation data from monitoring wells MW8-1, MW8-2, P-1, and MW6-21 (in process); and
- evaluate data from the above activities collaboratively between EPA, CH2MHill, Tetra-Tech and UTC so that a final drilling location can be selected and permitted.

As indicated above, Tetra Tech has initiated several of the agreed upon actions and will be providing EPA and CH2MHill that information as it becomes available.

While this approach may require an additional 7 to 10 days to complete, the benefits of implementing a data driven approach (rather than an approach based on a subset of available data) is warranted. Following final selection of n of the location

In addition, UTC and Tetra Tech appreciate the inclusion of the EPA prepared Draft Shallow Zone VOC Plume Map. We will review and provide comments/suggestions as applicable at a future date.

Call or e-mail with questions

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**From:** Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
**Sent:** Friday, September 13, 2013 6:21 PM
**To:** Don.Lee@tetratech.com; Parsons, Scott
**Cc:** Barquest, Bradley A UTCHQ; Kerang.Sun@CH2M.com; Tom.Perina@CH2M.com
**Subject:** [External] Proposed Location for MW 8-3

Don and Scott,

Please see attached map (MW8-3_loc). Our recommendation is to locate MW 8-3 on Edanruth Ave just N. of Fairgrove Ave (on east side of street). In my email of May 30th, I provide photos of this area identified previously as Alt. loc #4.

I have also attached your map sent 5 Sep for aerial perspective. Please let us know if you concur with this location by COB Monday and prepare encroachment permits accordingly.

My expectation is to start drilling the week of Sept 30 but no later than the week of Oct 7. Please let me know what I can do to expedite the matter with LA County.

Ray