Boeing Field Chevron Meeting Notes from 03 October 2016
Ecology NWRO Room 2B

Attending:
Dale Myers (Ecology), Julia Schwarz (Kennedy/Jenks Consultants), Rory Galloway (G-Logics), Dan Hatch (G-Logics), Zak Wall (G-Logics), Kurt Peterson (Foster Pepper), Russell Shropshire (Leidos)

Items discussed:
Communications should be sent to all associated parties, e.g. all correspondence to Chevron should also be sent to Leidos (e.g. Russ Shropshire and Eric Hetrick), and all correspondence for Ecology should also be sent to Kennedy/Jenks (e.g. Dale Myers, Julia Schwarz, and Ty Schreiner).

Current status of the field work:

- Well development should be finished today. Dan Hatch is planning to put together a table of all the wells, screened intervals, and completion details, based on the information that Karis Vandehey is collecting in the field. The table is expected to be done by the end of the week of 10/3, but may be early next week.
- Wells to be closed include the EX- wells and IP-6, may be more following the table of where the wells are screened.
- IDW: 3 drums from well development onsite, 3 drums from Terracon's sampling events, may also be a drum of (used?) socks. Shed should remain locked when not in use.
- G-Logics trying to get native files from Terracon.

Future work:

- Sediment and catch basin sampling
    - Dan Hatch asks about process for adjustments to the work plan, e.g. what was the rationale for the sampling being done in this way?
    - Changes to the work plan are OK as long as they are noted clearly in the monthly progress reports, and clear hydrogeologic and scientific rationale is given for the changes.
    - Zak Wall discusses lack of sediment in the catch basins. Dale Myers notes that changes in the workplan (e.g. no or lack of sediment) are OK, but to make sure to document these observations and changes in the monthly progress reports for future reporting.
    - City of Tukwila may clean out storm drains, may want to wait for some storm events prior to sampling.
- Discussion of utility tracing and plans.
    - Kennedy/Jenks to send G-Logics utility plans from the City of Tukwila.
- Change out sorbent socks?
- Tidal study
    - The purpose of the study is to see the lag time from tides, and also to check how much the wells are tidally influences, especially now that they have been redeveloped. Groundwater sampling should be at low tides.
- New cross sections to look at and reexamine how many water bearing units there are at the site.
    - Is there a lower & upper water bearing zone at the site, or are they interconnected (e.g. silt layer is heterogeneous across the site and there may not be two separate water bearing zones)

Other discussion points:

- Long term site use—Raj plans to keep operating the site under the same use.
    - What is the lifespan of the tanks?
- Are we tied to/bought into the current geologic interpretation of the site and/or the current monitoring well network?
    - Dale notes that this is the best cross section of the site he has seen yet; do scientifically sound work and look at what that tells us about the geology at the site.
    - Evaluate if the current monitoring well system works for the uses intended, and determine the need for new wells and well abandonment from there.
- RI workplan is the framework for the work, but changes to the workplan are acceptable as long as it has been documented and is scientifically sound.
- Dale spoke with Eric, and the due date for the end of the field work may be able to be extended if the level of activity at the site stays constant, e.g. keep up a similar level of activity and progress. Progress documented in the monthly progress reports can include draft or unfinished work, e.g. the cross sections.
- Results from groundwater sampling in 2008 and 2015 had similar concentrations.
    - Discussion of skipping first round of groundwater sampling (e.g. instead of groundwater event, drilling soil borings, then second groundwater event, to instead go straight to soil borings)
    - Discussion of soil boring locations—step out locations to be determined in the field as field indication shows is warranted.
    - Are the borings for geologic information? Can a few monitoring wells be installed concurrently with soil borings?
    - Dale: Do what you need to do to close data gaps, and document the changes to the work plan. What's important is closing data gaps, having a good conceptual site model, and moving on to the feasibility study.
- G-Logics should plan to send sections of the RI to Ecology as they are completed. Ecology is down to 1 review of the agency review draft, so sending sections in advance helps to speed up the process.
- VI issues
    - Sampling VI can be tricky as the site is an active gas station. Sampling points are within the onsite service building.
    - Not appropriate to do a worker exposure assessment; need to do a Tier I review of properties to the south of the site. Follow EPA and Ecology's draft VI guidance for this.
- Data in to EIM
    - May 2004 is the cutoff date—anything post-May 2004 should be in EIM.
    - If there is no data validation, it may not be appropriate for EIM.
    - For all formal sites, data must go through a formal data validation process. Dale has a checklist he will send out.
    - What is the level of effort for data validation?
- IDW
    - G-Logics should set up a schedule for waste disposal, e.g. waste should be removed in 90 days.
    - G-Logics plans to use Stericycle, and will get waste offsite following each field effort.
- Very important to Ecology that G-Logics keep up the work momentum. There will be a slight delay for a few weeks to wait for a driller, but will keep up with office tasks during that time.