Haskell Lake Area Petroleum Contamination Site (Tower Standard LUST)

Meeting Date: 20 July 2017
Location: teleconference

Meeting Participants:	WDNR	Chris Saari
	REI Engineering	Dave Larsen
	EPA R5 LCD	Bob Egan
	EPA R5 TIAO	Anthony Greenwater
	Restaurant property owner	[name withheld]

Discussion Items:

1. **Purpose of meeting.** The group continued the technical discussions of previous calls, and hosted the owner of the adjoining property to the east in a discussion of Item 4, below.

2. **Groundwater profiling and well installation.** From the possibilities discussed on the previous tech call, WDNR has decided on standard groundwater profiling to support setting of screen depths in new wells. One water sample will be collected from each boring, with no soil samples collected. Working scope of work estimates 24 water samples. SOW might include samples from vicinity of proposed wells 3 and 5, but WDNR stated work will be prioritized to support wells installed with PECFA funding (1, 2/4, 6, 7). Depths are TBD. EPA may be onsite for data collection. REI will notify property owners and ensure access.

   Because the group did not consider the new wells essential to design and execution of interim action, the group briefly considered the idea that well installation might be delayed until after an interim action is implemented and remaining funding is accurately known.

3. **Inter-agency protocol.** EPA confirmed that REI or others may contact Tom Kady or other Agency personnel directly. Coordination of funding sources was agreeable to all, but considered difficult in practice. The possibility of dividing the overall workload among the parties was thought worth considering.

4. **Owner relations.** The owner of the property east of the presumed source area joined the call to discuss remedial options and prospects for sale of her property, possibly to LDF. Majority of residual contamination (away from the source area) was said to be beneath this property. WDNR agreed to provide contamination reports to the property owner. The WDNR Options Report was explained, including the probable winnowing of feasible and acceptable options to excavation and some form of AS/SVE. PECFA closure standards were not expected to result in pristine property that would easily pass fee-to-trust standards administered by BIA.

5. **Project scope and outcomes.** EPA expressed interest in having and distributing information on the level of cleanup that can be expected, likely impacts to properties from remediation, time required for all actions, and sources of additional funding. The group did not describe the purpose of the remedial action as being the facilitation of property sales or title transfer into the federal trust; all expressed limitations due to funding and/or authority to address additional work, such as cleanup to background or cleanup of possible perchlorate contamination across the road.

6. **Project history**. Previous remedial actions were described as limited by administrative procedures, funding caps, and restricted access to involved properties. The earlier excavation—limited to hotspots and capped by both depth and cost—was followed by pumping and treating about 15 million gallons of water.

7. **Remedial Action Options Report (RAOR)**. WDNR stated it doesn't usually prepare a RAOR for interim action, but has initiated internal discussions that will lead to production of a Report for this site, possibly within a few weeks. The required cost estimates will be prepared by REI, completion date TBD. WDNR expects the

Report to quickly eliminate several options, such as chemical injection, soil heating, and pump/treat, due respectively to Tribal objections, exorbitant cost or previous failure. WDNR expected to distribute Report to all.

WDNR stated its remedial offers will be driven by time constraints and the PECFA requirement to utilize the least-cost effective remedy. If any party supports a remedial option that is not least-cost, WDNR stated PECFA could only consider that option if additional funding was available from other sources. EPA commented again that the coordination of funding is problematical.

8. **Next call.** The standing tech call is scheduled for the 4th Thursday, 24 August. The group considered re-convening on some earlier dates; the most likely is Thursday, 4 August, 8-9am. WDNR will arrange the call.

Action items:

1. WDNR will provide contamination reports to property owners.
2. REI will prepare groundwater profiling cost estimate for WDNR.
3. WDNR will prepare Remedial Action Options Report and distribute when available.
4. REI will notify all property owners in advance of profiling fieldwork.