

MEETING NOTES

200 West Tank Farms Interim Measures Investigations

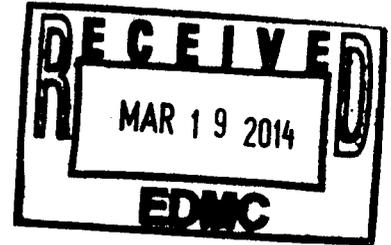
MEETING DATE: February 19, 2014

LOCATION: Washington State Department of Ecology, Richland Office

ATTENDEES:

Mike Barnes (Ecology)
 Joe Caggiano (Ecology)
 Susan Eberlein (WRPS)
 Dan Glaser (WRPS)
 Doug Hildebrand (DOE)

Dan Parker (WRPS)
 Julie Robertson (Freestone Environmental Services)
 Maria Skorska (Ecology)
 Harold Sydnor (WRPS)
 Becky Wiegman (WRPS)



BACKGROUND: The purpose of the meeting was to provide a forum for Ecology and DOE representatives to discuss efforts being undertaken at the 241-TX, 241-SX, and 241-U Farms (documents, field work, and results of interim measures investigations). As part of the meeting notes, a list of actions, and the status of those actions, are tracked.

DISCUSSION:

Prior Meeting Notes: Meeting notes for January 15, 2014 200 West Tank Farms Interim Measures Investigations meeting were signed.

Status of Ongoing Field Work: WRPS distributed two graphics illustrating the vadose zone field work schedule (as originally envisioned) and various deliverables associated with the interim investigations at the 241-TX, 241-SX, and 241-U Farms. The following field activities and deliverables were discussed.

- **TX Farm Direct Push:** On October 24, 2013, DOE and Ecology selected four additional locations for direct push investigation at TX Farm. Mr. Sydnor reported that installation and logging of all four logging boreholes is complete, sample depth selection meetings had been held for the four sampling boreholes, and sampling is underway at the first of the sampling boreholes. WRPS intends to provide the TX Farm field work completion summary at the next monthly meeting (on schedule).
- **SX Farm Direct Push and Pore Water Extraction Test:** Mr. Parker reported that the pore water extraction testing had been completed and the equipment removed from the site. Investigation of the extraction borehole and equipment indicated there had been a significant accumulation of silt at the bottom of the hole as well as silting of the pump. Future testing includes a plan for installation of larger diameter borehole equipped with a filter to reduce silting. Mr. Parker reported that the subcontractor is installing boreholes offsite to test pore water extraction well design and construction using larger boreholes. Recent windy conditions are causing minor schedule delays.
- **U Farm Surface Geophysical Exploration (SGE) Work:** Mr. Glaser stated that field work is complete, and the characterization report required by TPA target M-045-22-T02 (*Three-Dimensional Surface Geophysical Exploration of the U Tank Farm, RPP-RPT-56430*) has been released.

- **C Farm SGE Work:** Mr. Glaser reported that preparation of a report on field work results is underway. Mr. Glaser will present a briefing on the preliminary results at a meeting scheduled for February 26, 2014.

Laboratory Data Status: Mr. Sydnor reported that quick-turn results for samples taken from the first of the four additional boreholes at TX Farm should be available for WRPS review the week of February 24, 2014.

Interim Surface Barrier (ISB) Repair Status: Nothing new to report.

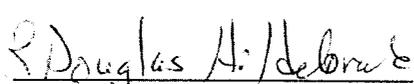
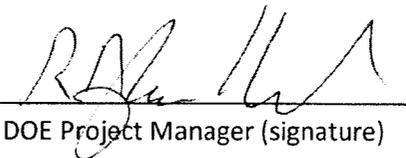
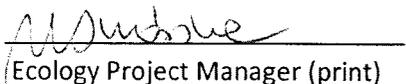
Briefing on SGE Investigation of U Farm: Mr. Glaser provided a pictorial briefing on the preliminary results from the recent SGE investigation of U Farm. Mr. Glaser compared results of leak loss assessments, gamma logging, and well-to-well SGE investigations undertaken in 2006 and 2013, concluding that initial results from the recent SGE investigation appear to validate leak loss assessment findings. During the discussion, Mr. Caggiano noted that a large quantity of effluent associated with U Plant clean-out was released to a ditch on the east side of U Farm in the 1990s, and that WRPS should consider possible effects on SGE results. Mr. Glaser reported that final interpretations and reporting are on schedule for delivery to Ecology by June 30, 2014.

New Topics:

- **Interim Measure Maintenance Plan:** Mr. Lyon was not able to attend this meeting. Discussion of interim measure maintenance concerns that Mr. Lyon identified at the January 15, 2014 meeting was deferred to the next monthly meeting that he is able to attend.
- **2014 M-45-56 Meeting:** Mr. Barnes noted that the annual M-45-56 meeting regarding interim measures will need to be scheduled in a few months. Mr. Barnes stated that it would be advantageous to have a pre-meeting to discuss interim measures.

Next Meeting: The next meeting is scheduled for March 19, 2014, at 9:30 am.

ACTIONS: Refer to the following table. A date-based numbering system is used to track the actions. An action will be removed from the list after DOE and Ecology have agreed to close the action.

 DOE Project Manager (print)	 DOE Project Manager (signature)	<u>3-19-2014</u> Date
 Ecology Project Manager (print)	<u>M. SKORSKA</u> Ecology Project Manager (signature)	<u>3-19-2014</u> Date

Action Items.				
Item #	Topic/Title	Actionee	Description	Status
2013-08-21-3	Action from annual M-45-56 meeting	Hildebrand	Evaluate the potential for providing a single comprehensive report on the electrical resistivity correlation work to date.	Open. WRPS is defining the scope of this activity to support the possible addition of this report as new work scope in FY 2014. Mr. Hildebrand stated that upcoming work in A/AX Farm could be used to supplement information for this report. Continue to track here until commitment is closed or until it is tracked elsewhere.
2013-08-21-9	Barrier effectiveness	Parker	(a) Provide Ecology with the barrier monitoring report after it has been issued; (b) Schedule a meeting on barrier effectiveness/merits of barriers.	(a) Closed. RPP-RPT-55143, Rev. 1 has been provided to Ecology and is in the Administrative Record. (b) Closed. Meeting held on 02/06/2014.
2014-01-15-1	U Farm SGE results	Glaser	Provide a briefing on U Farm SGE results at the Feb. 2014 monthly meeting.	Closed. Presentation provided at Feb 2014 meeting.
2014-01-15-2	C Farm SGE results	Glaser	Provide a briefing on C Farm SGE results at an upcoming WMA C RFI report meeting.	Open. Briefing will be provided on 02/26/2014 meeting.
2014-01-15-3	Well 299-E27-20 vadose zone data	Tabor	Provide Well 299-E27-20 vadose zone data to Mr. Barnes.	Closed. Information provided on DVD and documented via email.
2014-01-15-4	M-045-22-T03 test report	Parker	Develop a plan for communicating advance information regarding the contents of the M-045-22-T03 test report.	Open. WRPS will provide a briefing on the M-045-22-T03 test report contents at a future monthly meeting prior to issuance of the report.
2014-02-19-01	M-45-56 Pre-meeting	Eberlein	Schedule a pre-meeting to discuss interim measures, prior to holding the required annual M-45-56 meeting.	New.