

MEETING NOTES

200 West Tank Farms Interim Measures Investigations

MEETING DATE: October 16, 2013

LOCATION: Washington State Department of Ecology, Richland Office

ATTENDEES:

Mike Barnes (Ecology)	Dan Parker (WRPS)
Joe Caggiano (Ecology)	Julie Robertson (Freestone Environmental Services)
Susan Eberlein (WRPS)	Maria Skorska (Ecology)
Les Fort (WRPS)	Harold Sydnor (WRPS)
Dan Glaser (WRPS)	Cindy Tabor (WRPS)
R.D. Hildebrand (DOE)	Becky Wiegman (WRPS)
Jessica Joyner (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:

- The DOE-approved September 2013 meeting notes were provided to Ecology for approval.
- Ms. Robertson reported verifying that prior meeting notes are in the Tri-Party Agreement Administrative Record.
- Ms. Robertson reported verifying that notes taken during three TX Farm soil sample collection depth selection meetings in July and August 2013 are also in the Administrative Record. Ms. Tabor stated that notes taken during the October 3, 2013 TX Farm soil sample collection depth selection meeting will be provided to Ecology for review later this week. So, too, will the notes from a meeting held October 8, 2013 to identify the criteria to select the next four direct push locations in TX Farm.

Status of Ongoing Field Work: Ms. Robertson distributed a simple graphic illustrating the anticipated vadose zone field work schedule through the first quarter of fiscal year 2015. The graphic illustrates direct push fieldwork being performed first at SX Farm (Stage I/II), then at C Farm, then back at SX Farm (Stage III installation of extraction and monitoring boreholes), and then at TX Farm. In parallel, surface geophysical exploration (SGE) is shown as being conducted at U Farm and then at C Farm.

The following field activities were discussed.

- TX Farm Direct Push: WRPS reported that the seventh and eighth sampling probe holes have been decommissioned and that soil samples from these holes have been provided to the laboratory for analysis. Quick turn analyses are expected to be completed this week. The deep electrodes will be installed in the seventh and eighth logging probe holes as they are decommissioned. Mr. Sydnor noted that plans are in place to remove the hydraulic hammer unit late this week in anticipation of personnel being furloughed from work.
- SX Farm Direct Push and System Construction: Mr. Parker reported on the status of field activities for the SX Pore Water Extraction Test. Mr. Parker reported that the test system was moved to the test location south of SX Farm, and testing was initiated. Mr. Parker reported that the system successfully extracted deionized water that had been used during well development. However, with continued operation and increased vacuum pressure, issues were encountered with bladder pump operation. The system was shut down, and the pump issues were resolved. During the shutdown, the system was winterized per design requirements. Mr. Parker stated that the system is anticipated to remain shut down for the remainder of the week in anticipation of personnel being furloughed from work.

Ms. Robertson noted that the approved work plan, *200 West Area Tank Farms Interim Measures Work Plan* (RPP-PLAN-53808, Revision 1), states that an SX Farm field test protocol report will be submitted to Ecology by October 31, 2013. Mr. Parker reported having provided Ecology with *SX Tank Farm Pore Water Extraction Experimental Test Plan* (RPP-PLAN-55319, Rev. 0), fulfilling the commitment contained in RPP-PLAN-53808.

- U Farm and C Farm SGE Work: Mr. Glaser reported that data analysis is ongoing. Ms. Robertson reported verifying that *Work Plan for 3D Electrical Resistivity Survey at the 241-U Farm* (RPP-PLAN-54501, Revision 1) is in the Administrative Record. This plan was provided to Ecology at the September 2013 meeting to fulfill a commitment to provide a U Farm field work completion summary.

Laboratory Data Status: Ms. Tabor reported that the lab is continuing to provide quick turn data. Available quick turn data has been shared with Ecology representatives at recent probe hole sample depth selection meetings.

Interim Surface Barrier (ISB) Repair Status: Mr. Parker reported that planned repairs were scheduled for the week of October 21, but that they will probably need to be replanned due to impending personnel furloughs.

New Topics:

- Ms. Tabor stated that Mr. Lyon has asked to visit TX Farm. Dr. Skorska, Mr. Barnes, and Mr. Caggiano asked to accompany Mr. Lyon, if possible. The main purpose of the visit will be to view the topography of TX Farm as it relates to the design and construction of an interim surface barrier. ACTION: Set up an Ecology visit to TX Farm.
- Mr. Lyon sent an email requesting provision of information related to inspections of berms and other interim measures, including information about repairs or maintenance. In response, Ms. Joyner provided an oral report. Ms. Joyner stated that annual berm inspections are generally conducted in November in concert with a rain event; however, spot checks are ongoing. She

reported that no new deficiencies had been noted since a comprehensive list was compiled in November 2011. Several deficiencies on that list have been addressed. For example, at A, B, U, S, and T Farms, sand that had blown into various drainage control structures (e.g., gutters, catch basins, culverts) has been removed. Ms. Joyner noted that WRPS is continuing to address identified deficiencies, and that current drainage patterns are acceptable in all locations. Dr. Eberlein reported on the results of dry well inspections conducted as part of inactive waste site inspections. A relatively small number of well cap deficiencies has been noted and are being addressed.

Next Meeting: The next meeting is scheduled for November 20, 2013, at 10:00 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.

<u>R Douglas Hildebrand</u> DOE Project Manager (print)	<u>R Douglas Hildebrand</u> DOE Project Manager (signature)	<u>11-19-2013</u> Date
<u>Jeffery J Lyon</u> Ecology Project Manager (print)	<u>Jeffery J Lyon</u> Ecology Project Manager (signature)	<u>11-19-2013</u> Date

Action Items. (2 sheets)				
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.	WRPS is defining the scope of this activity to support the possible addition of this report as new work scope in FY 2014.
2013-08-21-5	Action from annual M-45-56 meeting	Tabor, Barnes	Set meeting for discussing criteria for selection of final 4 direct push locations in TX Farm.	Closed. Meeting held 10/8/2013. Meeting notes are in review. A follow-up meeting will be scheduled to select direct push locations and discuss beta probe testing.
2013-08-21-9	Electrical resistivity presentation	Glaser	Provide presentation on electrical resistivity correlation work to date.	Presentation is scheduled for November 2013. WRPS will consider coordinating with next meeting on the

Action Items. (2 sheets)				
Item #	Topic/Title	Actionee	Description	Status
				WMA C Performance Assessment.
2013-08-21-9	Barrier effectiveness	Eberlein	(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) A meeting will be scheduled.
2013-09-18-1	Timing of TX data provision	Tabor, Barnes	Clarify when various TX Farm data will be provided to Ecology relative to timing for selection of location for final 4 TX boreholes.	Closed. Ms. Tabor and Mr. Barnes clarified this action is related to planning future work at T Farm (not TX Farm). Relevant T Farm activities are on hold pending budget prioritization.
2013-10-16-1	Ecology visit to TX Farm	Parker	Set up Ecology visit to TX Farm to view topography as it relates to design and construction of surface barriers.	New.