MEETING NOTES

200 West Tank Farms Interim Measures Investigations

MEETING DATE: September 18, 2013

LOCATION: Washington State Department of Ecology, Richland Office

ATTENDEES:

Mike Barnes (Ecology)	Maria Skorska (Ecology)
Dan Glaser (WRPS)	Harold Sydnor (WRPS)
R.D. Hildebrand (DOE)	Cindy Tabor (WRPS)
Dan Parker (WRPS)	Becky Wiegman (WRPS)
Julie Robertson (Freestone Environmental Services)	

BACKGROUND: This meeting was part of the continuing effort to provide a communication avenue between Ecology and DOE representatives to discuss the documents, field work, and results of interim measures investigations being undertaken at the 241-TX, 241-SX, and 241-U Tank Farms. A list of open and unresolved actions and the status of those actions will be tracked and resolutions documented as part of the meeting notes.

DISCUSSION:

Prior Meeting Notes:

- The DOE-signed August 2013 meeting notes were provided to Ecology for signature.
- Prior meeting notes were reported to have been placed into the Tri-Party Agreement Administrative Record.
- Ms. Tabor stated that notes taken during TX Tank Farm soil sample collection depth selection meetings will be provided to Ecology for review later this week.

Status of the Work Plan and TX Farm SAP: The status of the approved work plan, *200 West Area Tank Farms Interim Measures Work Plan* (RPP-PLAN-53808, Revision 1), and the approved SAP, *Sampling and Analysis Plan for Soil Samples in Support of Interim Measure Planning at the 241-TX Tank Farm* (RPP-PLAN-54376, Rev. 1), remain unchanged. The meeting participants agreed to remove this item from the agenda for future meetings unless there is a status change to report.

Status of Ongoing Field Work: WRPS distributed a simple graphic illustrating the anticipated vadose zone field work schedule through the first quarter of fiscal year 2015. The general sequence has direct push fieldwork being performed first at SX Farm (Stage I/II), then C Farm, then back at SX Farm (Stage III installation of extraction and monitoring boreholes), and then 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.

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- TX Farm Direct Push: Ms. Tabor reported that the first six TX Farm boreholes have been pushed, sampled, and decommissioned and that the laboratory is reporting preliminary sample results. The seventh borehole has been pushed to total depth, and work is underway at the eighth borehole.

- SX Farm Direct Push and System Construction: Mr. Parker reported on the status of field activities for the SX Pore Water Extraction Test. The monitoring and extraction wells have been completed, and the functional test of the test equipment was completed yesterday (September 17, 2013). Mr. Parker passed around photographs of the test trailer undergoing functional testing, and of the completed well heads. Mr. Parker used the photographs to answer questions regarding the operation of the test system. Mr. Parker said it is anticipated that the test system will be moved to the test location south of SX Tank Farm by the end of September or in early October.

- U Farm SGE Work: The approved work plan, RPP-PLAN-53808, Revision 1, states that a U Farm field work completion summary will be provided by September 30, 2013. Per the work plan, this summary is to be an informal report that describes the completion of field work, including a diagram showing the surface electrodes, deep electrodes, and drywells (long electrodes) used in the data collection activity. Mr. Glaser handed Dr. Skorska a copy of *Work Plan for 3D Electrical Resistivity Survey at the 241-U Farm*, RPP-PLAN-54501, Revision 1, to satisfy the commitment to provide a work completion summary. Work Plan RPP-PLAN-54501 describes the planned SGE work at U Farm. Mr. Glaser stated that the U Farm SGE field work conformed to the descriptions provided in the work plan; therefore, provision of the work plan meets the intent of the work completion summary.

- C Farm SGE Work: Mr. Glaser reported that data acquisition was completed in August 2013. Data analysis is anticipated to begin at the start of fiscal year 2014.

Laboratory Data Status: Ms. Tabor reported that the lab is continuing to provide quick turn data and initial soil data packages to WRPS for review. Available data has been shared with Ecology at recent borehole sample depth selection meetings.

Interim Surface Barrier (ISB) Repair Status: Mr. Parker reported on the status of the repairs to the T farm ISB. Mr. Parker noted that he had talked with Brandon Hall, the System Engineer for T farm, earlier in the day. Mr. Hall told him that the repairs to the T farm ISB, which had begun last summer, are expected to be completed in the next couple of weeks, weather permitting. The repairs that began last summer had been discontinued when the stock of repair material was exhausted and the weather had changed so that repairs could not be continued. Mr. Hall had thought the repairs would be completed by now, but additional planning was needed for this year's work as the method for conducting repairs has been modified based on lessons learned. The epoxy repair material will now be sprayed on in two parts, rather than mixed and then applied. This should facilitate repairs, as last year the painters found that the material, when mixed and then applied, began to set-up before it could all be applied. It is believed that spraying on the material will be a superior process. When asked for specifics on the process, Mr. Parker stated that he didn't know details other than what he had been told by Mr. Hall. Conversation followed among the attendees as to what limitations may apply to the use of sprayers to repair the barrier. Mr. Parker noted that he will report on the repair efforts again next month.

New Topics: The meeting attendees discussed no new topics.

Next Meeting: The next meeting is scheduled for October 16, 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.

R Douglas Hildebrand		10-16-2013
DOE Project Manager (print)	DOE Project Manager (signature)	Date
Jeffery J. Lyon		10-21-13
Ecology Project Manager (print)	Ecology Project Manager (signature)	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.	DOE and WRPS are discussing adding preparation 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.	WRPS and Ecology will work together to identify attendee list. WRPS expects to hold the meeting in October.
2013-08-21-8	Action from annual M-45-56 meeting	Eberlein	Schedule a meeting to brainstorm interim barrier needs for water intrusion reduction and other applications related to potential tank leaks.	Closed. Meeting held 9/5/2013. Meeting notes are being prepared.
2013-08-21-9	Electrical resistivity presentation	Glaser	Provide presentation on electrical resistivity correlation work to date.	Presentation is scheduled for October 2013.

Action Items. (2 sheets)				
Item #	**Topic/Title**	**Actionee**	**Description**	**Status**
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.	DOE comments are being incorporated into the draft barrier monitoring report. A meeting will be scheduled after the report is released.
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.	New.