

MEETING NOTES

200 West Tank Farms Interim Measures Investigations

MEETING DATE: May 21, 2014

LOCATION: Washington State Department of Ecology, Richland Office

ATTENDEES:

Jim Alzheimer (Ecology)

Mike Barnes (Ecology)

Ryan Childress (WRPS)

Susan Eberlein (WRPS)

Dan Glaser (WRPS)

Doug Hildebrand (DOE)

Jared Mathey (Ecology)

Dan Parker (WRPS)

Julie Robertson (Freestone Environmental Services)

Cindy Tabor (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: The meeting notes for the March 19, 2014 200 West Tank Farms interim measures investigations meeting are in the *Hanford Federal Facility Agreement and Consent Order* (TPA) Administrative Record. Meeting notes for the April 16, 2014 meeting were signed.

Status of Ongoing Field Work: WRPS distributed a graphic illustrating the schedule for submittal of 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 and U Farm Surface Geophysical Exploration (SGE) Work:** Field work is complete at both TX Farm and U Farm. A single letter containing interim action recommendations is in preparation for both farms. The letter is on schedule for delivery to Ecology by June 30, 2014.
- **SX Farm Direct Push and Pore Water Extraction Test:** Field activities described in RPP-PLAN-53838, *200 West Area Tank Farms Interim Measures Investigation Work Plan*, are complete. A copy of *Pore-Water Extraction Proof-of-Principle Field Test Report*, RPP-RPT-56596, was provided to Ecology at the meeting. The document is intended to satisfy TPA Target M-045-22-T03, due by July 31, 2014.

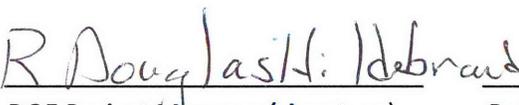
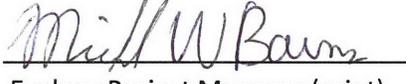
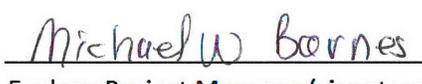
Laboratory Data Status: Ms. Tabor handed Ecology a copy of *Analytical Report for Soil Samples Taken in Support of Interim Measure Planning at the 241-TX-Tank Farm in 2014*, RPP-RPT-57153, which contains the “quick turn” laboratory results for the last four sampling holes at TX Farm. Ms. Tabor reported that WRPS expects to receive the final data report for those four holes in late summer.

Interim Surface Barrier (ISB) Repair Status: Mr. Parker reported that there are no ongoing repairs to status.

New Topics: On May 19, 2014, Mr. Barnes (Ecology) emailed a request for information regarding the location of borehole C3393, described in *Characterization of Direct Push Vadose Zone Sediments from 241-U Single Shell Tank Farm* (PNNL-17163). Mr. Barnes stated that the PNNL document reported that analysis of soil samples from this borehole indicate that sodium is the dominant cation. This is atypical of uncontaminated Hanford soils, in which calcium and magnesium are usually the dominant cations. Mr. Barnes noted that the PNNL report suggests that the findings may indicate the soil at that borehole location may have been impacted by a past release of dilute sodium-bearing solution. Mr. Barnes suggested that DOE evaluate whether similar cation results are found in soil samples taken from near tank 241-C-101 in Waste Management Area C.

Next Meeting: The next meeting is scheduled for June 18, 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>6/17/2014</u> Date
 Ecology Project Manager (print)	 Ecology Project Manager (signature)	<u>6/18/2014</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. Report is being developed as part of ongoing scope. Completion is tentatively planned for Sept 2014.
2014-01-15-4	M-045-22-T03 SX Farm Pore Water Extraction Test Report	Parker	Develop a plan for communicating advance information regarding the contents of the M-045-22-T03 test report.	Closed. RPP-RPT-57153 has been released and transmitted to Ecology to fulfill M-045-22-T03.
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.	Open. Pre-meeting will be scheduled for June 2014.
2014-03-19-02	Action from 2/6/2014 barrier effectiveness meeting	Throolin	Determine what would be involved in comparing PNNL barrier modeling predictions to the actual monitoring results.	Closed. The comparison will be incorporated into next year's report.
2014-05-21-01	PNNL report on moisture flow through sand	Eberlein	Provide Ecology with a copy of a PNNL report, likely by M. Oostrom, on modeling moisture flow through sand.	New.