

## MEETING NOTES

## 200 West Tank Farms Interim Measures Investigations

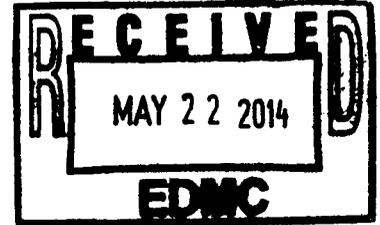
**MEETING DATE:** April 16, 2014

**LOCATION:** Washington State Department of Ecology, Richland Office

**ATTENDEES:**

Joe Caggiano (Ecology)  
 Susan Eberlein (WRPS)  
 Dan Glaser (WRPS)  
 Jeff Lyon (Ecology)  
 Dan Parker (WRPS)

Julie Robertson (Freestone Environmental Services)  
 Maria Skorska (Ecology)  
 Harold Sydnor (WRPS)  
 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:** Ms. Robertson reported that the meeting notes for the February 19, 2014 200 West Tank Farms Interim Measures Investigations meeting were submitted to the *Hanford Federal Facility Agreement and Consent Order* (TPA) Administrative Record. Meeting notes for the March 19, 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:** Mr. Sydnor reported that field work is almost complete. Electrodes remain to be installed in logging borehole C8815, and then the hole will be decommissioned. The TX Farm interim action recommendations are expected to be delivered on schedule by June 30, 2014. The recommendations will be based on "quick turn" laboratory results. The final characterization report, due September 30, 2014, will include final laboratory data.
- **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. Additional field work to explore the potential of using larger diameter boreholes (3-7/8 in. rather than 2-1/2 in.) for pore water extraction is wrapping up, with borehole decommissioning underway. Mr. Parker noted that in four attempts to push larger diameter holes, the maximum depth reached was 33 ft; binding of the drill string was a challenge at each of the four sites. Development of the field test report is on schedule for delivery by July 31, 2014.
- **U Farm Surface Geophysical Exploration (SGE) Work:** Mr. Glaser reported that U Farm interim action recommendations are on schedule for delivery by June 30, 2014.

**Laboratory Data Status:** Ms. Tabor reported that she had provided Ecology with a copy of the final laboratory data report for the first eight sampling holes at TX Farm, closing action 2014-03-19-01. The 222-S laboratory is preparing the final data report for the last four sampling holes at TX Farm. Ecology asked whether the DOE decision to shut down the Waste Sampling and Characterization Facility (WSCF) laboratory would impact the tank farm vadose zone characterization program. Ms. Tabor stated that the program does not generally use WSCF, so impacts should be minimal.

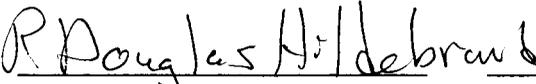
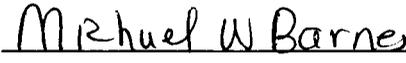
**Interim Surface Barrier (ISB) Repair Status:** Mr. Parker reported that there are no ongoing repairs to report on.

**Interim Measure Maintenance Plan:** In response to questions asked by Mr. Lyon at the January 15, 2014 meeting, Ms. Wiegman provided a summary of activities related to implementation of the interim measure maintenance plan. She noted that an inspection performed in 2011 identified the need to take several maintenance actions, and that a status of these actions had been provided at the September 18, 2013 meeting. Ms. Wiegman reported that these actions have since been completed. Ms. Wiegman stated that berm, culvert, and drain inspections are performed per the maintenance plan at least annually and also after significant rainfall or snowmelt events.

**New Topics:** On March 19, 2014, Mr. Barnes (Ecology) requested the addition of an agenda item about conducting beta probe testing in TX Farm in FY2015. Dr. Eberlein stated that field investigations indicated the presence of Tc-99 in TX Farm borehole C8818 at levels supportive of conducting beta probe testing. The activity was initially planned for FY2014, but funding for the test has been pushed to FY2015. Dr. Eberlein noted that as planning for FY2015 proceeds, funding for this activity may be at risk. She stated, however, that in lieu of conducting the testing at TX Farm, a reasonable alternative might be to conduct the testing in the A/AX Farm as part of the soil characterization work that is being done to support retrieval planning.

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

|  |   |                          |
|--|---|--------------------------|
| <br>DOE Project Manager (print)     | <br>DOE Project Manager (signature)     | <u>5-20-2014</u><br>Date |
| <br>Ecology Project Manager (print) | <br>Ecology Project Manager (signature) | <u>5-21-2014</u><br>Date |

| <b>Action Items.</b> |  |                 |   |   |
|----------------------|--|-----------------|---|---|
| <b>Item #</b>        | <b>Topic/Title</b>                                     | <b>Actionee</b> | <b>Description</b>  | <b>Status</b>   |
| 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.                                  | Open. WRPS will provide a briefing on the SX Farm 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.                                     | Open. In planning.  |
| 2014-03-19-01        | TX Laboratory Report                                   | Tabor           | Provide Ecology a copy of the final lab report for the first 8 TX sampling pushes, addressing all analytes in the sampling and analysis plan. | Closed. CD containing document RPP-RPT-56442, Rev. 1, was provided to Ecology on 3/26/2014.   |
| 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.                             | Open. The comparison will not occur in time to be incorporated into this year's report. WRPS is evaluating the effort required to address the action in next year's report. |