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Meeting Notes

Annual Meeting Between the U.S. Department of Energy, Office of River Protection (ORP) and the State of Washington, Department of Ecology (Ecology) to Discuss Interim Measures Completed in Fiscal Year 2015 and Planned for Fiscal Year 2016

Meeting Date: July 15, 2015, 3:30 p.m.
Location: Ecology Building, room 3B

Purpose: Fulfill Hanford Federal Facility and Consent Order commitment M-045-56, "to meet yearly...for the establishment of additional Agreement interim measures."

Attendees: Jeff Lyon, Jim Alzheimer, Maria Skorska, Mike Barnes, Joe Caggiano, Mign Walmsley, Washington State Department of Ecology (ECY); Ryan Beach, Jeremy Johnson, U.S. Department of Energy, Office of River Protection (ORP); Cindy Tabor, Dan Parker, Susan Eberlein, Holly Bowers, Washington River Protection Solutions (WRPS)

The following items were discussed at the meeting.

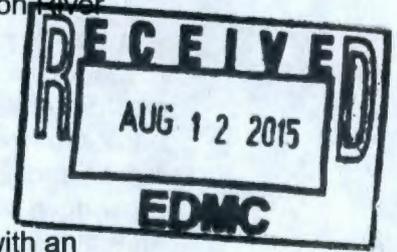
Actions from FY 2014 meeting:

The 2014 Interim Measures Meeting had resulted in only two actions, with an expectation that a follow-on meeting would be held once negotiations of the Consent Decree were completed. The negotiations were not completed in the time frame expected, so a second meeting was not held. The outcome of each of the actions from the FY 2014 meeting was provided.

1. **Provide a plan and schedule for the installation, operation, and evaluation of the T-111 ventilation system.** Jeremy Johnson reported that the T-111 ventilation system has been installed and is currently undergoing hot operational acceptance testing. Evaluation of performance is ongoing. ECY requested that ORP provide a report on the results of the ventilation system operation and performance evaluation.
2. **Provide a document summarizing potential deployment locations for a field test of a beta probe, and describing the deployment plan. Include a proposed schedule.** Dan Parker reported that the field deployment of a prototype beta detection probe was included in a proposal from WRPS to ORP. The scope of the proposal has been integrated into the WRPS contract, but the field activities are not currently scheduled. It does not appear likely that the scope will be performed in FY 2016.

Discuss Other Actions Completed in FY 2015:

1. **FY 2013 and FY 2014 Barrier Monitoring Reports.** The reports *T-TY Farm Interim Surface Barrier Demonstration – Vadose Zone Monitoring FY13 (RPP-RPT-57541)* and *T-TY Farm Interim Surface Barrier Demonstration – Vadose Zone Monitoring*



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WMA A/AX

FY14 (RPP-ENV-58420) were provided to ECY in FY 2014. The FY 2014 report shows slow drying of the soil beneath the T Farm barrier, consistent with previous reports. The FY 2014 report indicated that this was the first year that drying beneath the TY Farm barrier was detected.

2. **Drywell logging in A and AX Farms.** Drywell logging using the spectral gamma logging system (SGLS) and neutron moisture logging probes was conducted for 31 drywells in AX arm in 2014. The reports of this logging were provided to ECY early in FY 2015. Logging of 19 drywells in A Farm using the SGLS and temperature logging of 18 drywells in A Farm was completed in FY 2015. The report development is underway. No more logging is planned in A Farm at this time.
3. **Direct push logging and sampling in A and AX Farms.** Direct push logging of 4 locations in A Farm and 4 locations in AX Farm was performed in FY 2014. Sampling of the 4 locations in AX Farm was completed in FY 2015 (3 soil samples at each location). Sample analysis is underway. The completion report is expected to be available later in FY 2015, and the laboratory analysis report is expected early in FY 2016. No more direct push work is planned in A or AX Farms at this time.
4. **Annual inspection of interim measures.** The annual inspection of interim measures per the Interim Measures Maintenance Plan (*WRPS-0900388 Revision 2*) was performed in December 2014. Some deficiencies were noted at the T Farm barrier (including berm damage and blow sand accumulation). Those deficiencies have been corrected. The T Farm area manager has also created quarterly preventive maintenance actions to help limit future problems of this nature. The annual inspection also confirmed that issues identified in previous inspections had all been corrected. A supplemental inspection was performed following a period of heavy rainfall in March, and again just for the T Farm controls in April; no deficiencies were observed. ECY asked about the process for tracking deficiencies and repairs. The deficiencies are entered into the Problem Evaluation Request (PER) system, and tracked until the required actions are completed. The PER system provides a record of the corrective actions taken.

Discuss Potential Actions for FY 2016

1. **Provide reports resulting from FY 2015 characterization in A and AX Farms.** The final reports from the A Farm drywell logging, the completion reports from the direct push field work, and the sample analysis reports from the direct push sampling will become available in late 2015 to early 2016. These can be provided to ECY.
2. **Provide information on T-111 start-up and operational updates.** Regular status updates can be provided on the performance of the T-111 ventilation system. These updates could be included as agenda items in the bi-weekly meeting that is held among ECY, ORP and WRPS to discuss retrieval status. In addition, a report evaluating system performance at the end of the ventilation system operation is requested.

Other topics

ECY requested additional information about the scope and schedule of work that WRPS has proposed to ORP as required to support closure of Waste Management Area (WMA) C.

ECY asked if the ventilation system that is being tested on T-111 will be used on additional tanks. If the system is effective, other tanks will be prioritized for application depending on risk and on operational considerations.

ECY expressed concern that ORP and WRPS are losing the ability to perform vadose zone characterization activities due to the current hiatus in vadose zone field work. This loss of capability will result in delays and added cost when vadose zone characterization is required in the future.

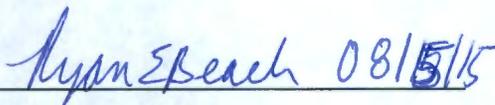
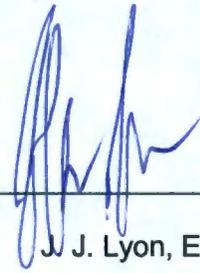
Actions Proposed for FY 2016

1. Provide a presentation summarizing the results of the vadose zone characterization activities performed in A Farm and AX Farm. Due February 29, 2016 (Ryan Beach/Cindy Tabor)
2. Provide reports resulting from FY 2015 characterization in A and AX Farms. Due March 31, 2016 (Ryan Beach/Cindy Tabor)
3. Provide T-111 operational updates. Due periodically at Tuesday bi-weekly meetings (Jeremy Johnson)
4. Provide a report evaluating T-111 ventilation system performance at the end of system operation. Due April 30, 2016 (Jeremy Johnson)

Other Actions

1. Determine what information can be provided to ECY regarding the additional work that WRPS proposed to initiate WMA C closure activities, and provide the appropriate information to ECY. (Ryan Beach)

Concurrence:

	
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R. E. Beach, ORP	J. J. Lyon, ECY
Date	Date