

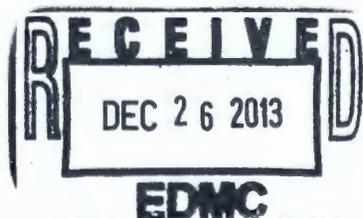
Meeting Minute Approval Sheet

**222-S Project Managers' Meeting
And Miscellaneous Laboratory Issues
(TSD: TS-2-1; Operating Unit 8)**

Ecology Offices, 3100 Port of Benton Blvd.

October 16, 2013

9:00 am – 10:00 am



DOE: *Lori Huffman* 12/17/13
Lori Huffman Date

ECOLOGY: *Deborah Singleton* 12/17/2013
Deborah Singleton Date

MEETING MINUTES

Meeting held on: 10/16/2013

Page 1 of 1

Meeting Attendees:

See attached list of attendees.

Agreements, Commitments, and Action Items

Minutes of the 7/17/2013 were approved. One Action Item was agreed at this meeting: Ecology committed to return comments or acceptance of the Unmanifested Waste Report that ORP issued on 10/8/2013.

222-S TSD or Miscellaneous Issues:

- Decontamination Criteria for 1B Vacuum Line – The final results of the 1B Vacuum Line Flush are attached. The results show that all decontamination criteria were met.
- Status of SRNL Shipment – The status of samples and waste shipped from SRNL to Hanford on September 18, 2013 was discussed (attached). Ecology related that the Unmanifested Waste Report (which was submitted by ORP to Ecology on 10/8/2013) was undergoing agency review and that its comments or acceptance would be issued in early November.

222-S RCRA TSD Permit Issues:

- Ecology related that comments provided by EPA Region 10 on the 222S TSD permit were being worked in house. No date has been established to begin discussing comments on the 222S TSD permit with DOE or the contractors.

222-S Laboratory Operations and Analytical Status:

Analytical and Operational reports are attached to these minutes.

Next Meeting:

December 18, 2013

3100 Port of Benton Blvd.

9-10 am

Attachments – 2

Attachment 1

1. Agenda
2. List of Attendees
3. 222-S Lab Operations and Analytical Reports
4. Action Items/Parking Lot Items

222-S Project Managers Meeting
And Miscellaneous Laboratory Issues
Washington State Department of Ecology Offices
3100 Port of Benton Blvd., Richland, WA

Agenda

1. Introductions
2. Approval of Previous Meeting Minutes
3. Agreements, Commitments, and Status of Action Items
4. 222-S TSD or Miscellaneous Issues
 - 4.1. Decontamination of the 1B Vacuum Line
 - 4.2. Status of SRNL shipment
5. 222-S RCRA TSD Permit Issues
6. 222-S Laboratory
 - 6.1. Operations Report
 - 6.2. Analytical Report
7. Review of New Action Items

222-S Project Managers Meeting & Misc. Lab Issues (TSD: TS-2-1)

List of Attendees

Name	Affiliation
Lucinda Borneman	WRPS
Tony Miskho	WRPS
Carl Howald, IV	WRPS
Glen Triner	WRPS
Lori Huffman	ORP
Dan Hansen	ATL
Deborah Singleton	ECOLOGY
Elis Eberlein	ECOLOGY
Lee Fearon	ECOLOGY

222S TSD Project Manager's Meeting
WRPS Operations/Analytical Report
July 17 – October 17, 2013

<i>Activities of Note</i>	<i>Date</i>
Removed 219-S Cathodic Protection system from service as required to perform geophysical exploration readings (SGE) in U and C Farm vadose zones in order so support completion of TPA milestones M-045-22 and M-045-61. The shutdown was required to minimize interferences with SGE instrumentation and measurements. [See WRPS Notification TOC-ENV-NOT: 2013-0033]	18-Jul-2013
Completed flushing of the Room 1-B hood vacuum line. Satisfies Department of Ecology request to demonstrate sufficient decontamination after an inadvertent aspiration of a sample digest into the vacuum line. Flushing and results to be discussed as a separate agenda item.	09-Sep-13
219S Cathodic Protection service was returned to service.	5-Sept-13
The Washington Department of Health (WDOH) completed the CY2013 Annual Major Stack Inspection Audit (750) of Emission Unit 254, 296-S-21, at 222-S Laboratory. No non compliances or issues were identified by the inspectors.	10-Sept-13
Completed installation of cameras in 219-S cell B to monitor the performance of surge suppressor WT-ARSR-1. This surge suppressor assists in maintaining pressures under the design rating for the fiberglass transfer line leading from 219S to the DST system. The fiberglass transfer line is part of Operating Unit 12, the DST System. The cameras were installed at the request of the DST system.	16-Sep-13
Completed bi-monthly check of 219S Cathodic Protection system as required by WAC 173-303-640(6)(c)(ii).	18-Sep-13
Completed calibrations on 219-S tank level indicators and verified their operation as required by WAC 173-303-640(6)(a).	23-Sep-13
Received the following from the Savannah River National Laboratory (SRNL): <ul style="list-style-type: none"> • waste drum: contains 3 liters of analytical waste for 219S • sample returns: 28 samples and one small bag of undeclared waste. Status will be discussed as a separate agenda item.	24-Sep-13
Issued Unmanifested Waste Report [WAC 173-303-390(1)] for small bag of discrepant material included in sample returns from SRNL. Report was issued protectively.	08-Oct-13

222S TSD Project Manager's Meeting
 WRPS Operations/Analytical Report
 July 17 – October 17, 2013

Waste Shipments:

Waste Type	Containers Shipped from 222S (7/17/13 – 10/11//13)	Receiving Facility
LLW	20 drums 1 roll-off	Perma-Fix NW ERDF
MW	10 drums; 2 boxes 5 drums 1 drum	DSSI (Perma-fix) Oak Ridge, TN M&EC (Perma-fix) Oak Ridge, TN Perma-fix Florida
DW	3 Drums	PSC
Recycle	5 Boxes, 4 Drums 1 drum of lead bricks	Hanford Site Centralized Consolidation/Recycling Center (CCRC) Toxco, Oak Ridge, TN

ATL PMM Analytical Report For October 2013

Report On Time Deliverables: For those samples delivered in calendar year 2013, the deliverables metric as of 10/9/13 is 100% (all 18 deliverables in September were on-time or early; all 7 deliverables so far in October have been on-time or early).

QA Evaluations/Proficiency Tests:

Month	Study	Reported	Correct	Study %
Feb	IHPAT-192	12	12	100%
Mar	WP-216	176	166	94.3%
Apr	BePAT-31	4	4	100%
May	MAPEP-28	50	49	98.0%
May	IHPAT-193	12	12	100%
May	MRAD-18	49	47	95.9%
June	WP-219	43	43	100%
June	Soil-82	165	165	100%
Aug	IHPAT-194	12	11	91.7%
Aug	BePAT-32	4	3	75.0%
Sep	WP-222	175	174	99.4%

YTD Performance: **97.7%**

Holding Time Performance in CY 2013:

- 100% of all holding time preps/analyses were met in September (193 of 193); all (38 of 38) so far in October have been met (through 10/9/13).
- 98.9% calendar year 2013 through 10/9/13.

Projects in Progress:

- Hg & NH3 Vapor Tubes – WRPS vapor tubes for IH analysis
- Aluminum Phosphate
- TX Farm 2013 Vadose

- MAPEP 29/MRAD 19
- Gibbsite Dissolution
- WRPS Be IH
- AY102A-LDP4/5/6

Expected Sample Receipt:

- Hg & NH₃ Vapor Tubes – WRPS – IH analysis
- Aluminum Phosphate – Sample receipt continues
- AY102A-Leak Detection Pit – Sampling – Late October
- Gibbsite Solubility - Sample receipt continues
- WRPS FY13 Be IH
- Vadose TX Farm – Sample receipt continues
- Vadose SX Pore Water – Sample weekly for 3 months?
- AZ102 Leak Detector Pit – scheduled for late October
- C110 Closure Samples – Scheduled for October
- C112 Hard Heel Dissolution – Scheduled for October

Action Items and Parking Lot Items

<u>ACTION</u>		
#	Action	Due Date
1	Ecology to provide comments or accept the Unmanifested Waste Report submitted by ORP on 10/8/2013. (Letter 13-ECD-0080)	11/15/2013

<u>PARKING LOT</u>		
#	Action	Resolution
PL1	Revise permit text regarding Tank 103 to better describe why Tank 103 is being left in place until Closure.	To be resolved during Permit Working Group meetings

Attachment 2

Other Handouts:

1. Results of Decontaminating Room 1B Vacuum Line
2. Status of Waste and Samples Shipped from SRNL on September 18, 2013

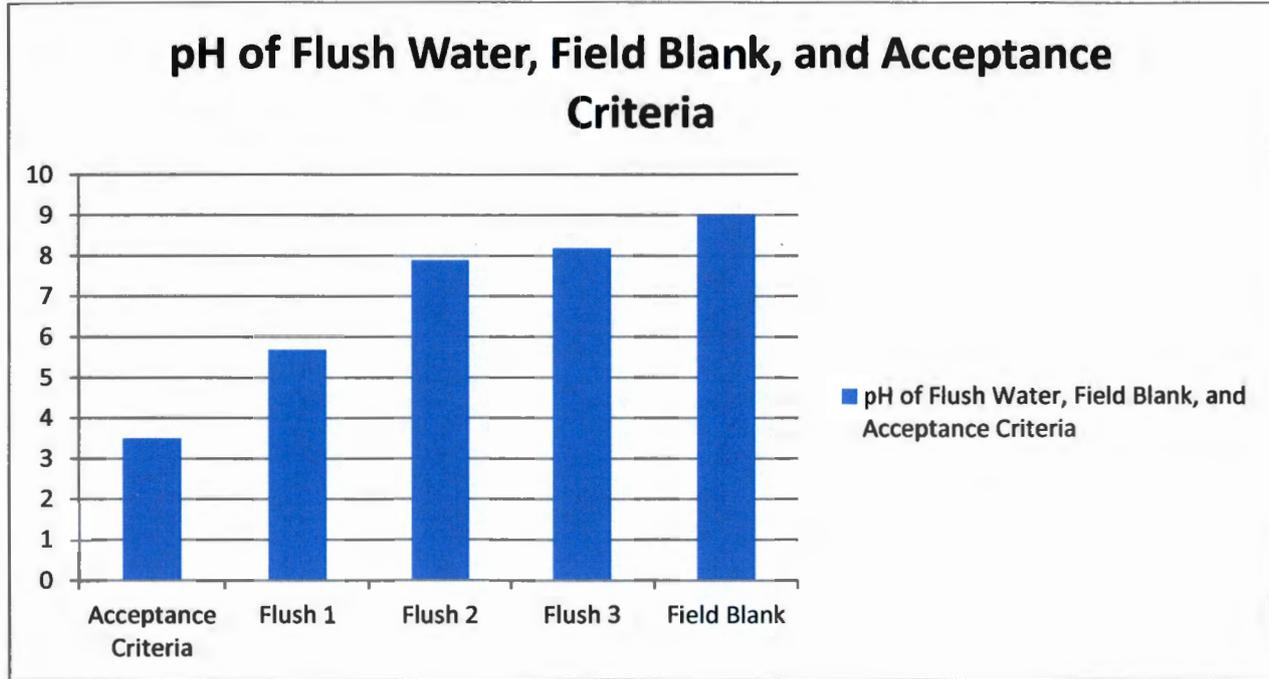
Results of Decontaminating Room 1B Process Vacuum Line

Flush was conducted on 9/9/2013.

CONCLUSION: The vacuum line from Hood 3 in Room 1B to its terminus in the basement has been adequately decontaminated and no longer contains dangerous waste.

	Decontamination Criteria	Work Performed	Was decontamination criteria met?
1	<ul style="list-style-type: none"> a. Vacuum line will be decontaminated with three water flushes, each with a volume of approximately 2 liters for a total flush volume of approximately 6 liters, twice the volume agreed to with Ecology. b. Each flush will be collected in separate carboys (samples will be collected such that there is minimal headspace). 	<ul style="list-style-type: none"> a. Vacuum line was flushed with three water flushes of approximately 2 liters each for a total flush of approximately 6 liters total. b. Each flush was collected in separate carboys. 	YES
2	The flush water collected in each carboy will be analyzed for pH in accordance with SW-846 method 9040.	Samples collected from the carboys contained minimal headspace and were analyzed using SW-846 method 9040.	YES
3	pH testing will be performed within 24 hours of the flush.	pH testing was performed within 8 hours of the flush.	YES
4	If the line successfully undergoes three flushes, decontamination will be complete if the pH of the third flush is greater than pH 2 or pH greater than 3.5 if three flushes cannot be completed.	Line successfully underwent three flushes. pH of the final flush was 8.2.	YES
5	If 3 flushes cannot be collected, criteria 1.a and 1.b from the 6/19/13 meeting will be used to determine adequate decontamination.	Three flushes were collected	YES

Results of Decontaminating Room 1B Process Vacuum Line



Status of Waste and Samples Shipped from SRNL on September 18, 2013

Waste and Samples resulted from the Fluidized Bed Reforming Treatability Study performed at SRNL

Status of Waste and Samples Shipped from SRNL on September 18, 2013				
Drum Number	Drum Contents	Regulatory Status as Shipped	Status as of October 15, 2013	Future Actions
Drum SRTC-13-205-06	Two inner containers (approximately 3 liters total) of aqueous analytical waste.	Mixed Waste	<ul style="list-style-type: none"> • Drum received at 222S on September 24, 2013. • Drum was unpacked on September 26 and no discrepant items or damage noted. • Inner containers are in storage in 222S TSD. 	Transfer contents of inner containers into the 219S Tank System.
Drum SRTC-13-205-04	<ul style="list-style-type: none"> • Approximately 28 containers of samples. • A small, sealed bag of waste discovered upon unpacking 	Sample	<ul style="list-style-type: none"> • Drum received at 222S on September 24, 2013. • Samples in archive storage at 222S, 11A Hot Cell • 10/8/2013: Unmanifested Waste Report filed with Ecology on contents of small bag of waste discovered upon unpacking. Report was filed protectively. 	<ul style="list-style-type: none"> • Samples: repackage into glass containers for archive storage in 11A Hot Cell. • Waste: Manage contents of waste container as low-level waste based on the regulatory determinations made in Attachment 2 to the Unmanifested Waste Report.

Status of Waste and Samples Shipped from SRNL on September 18, 2013				
Drum Number	Drum Contents	Regulatory Status as Shipped	Status as of October 15, 2013	Future Actions
			<ul style="list-style-type: none"> • Contents of small bag managed in 222S 90 Day Accumulation Area. 	
Drum SRTC-13-205-09	Job Control waste	Mixed Waste	<ul style="list-style-type: none"> • Received at PermaFix, Northwest on September 23, 2013. 	<ul style="list-style-type: none"> • Treatment • Disposal at Hanford