

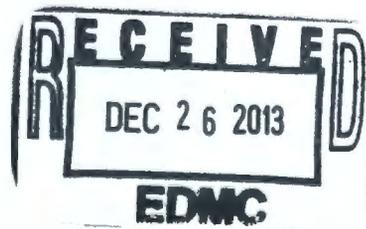
Meeting Minute Approval Sheet

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

Ecology Offices, 3100 Port of Benton Blvd.

July 17, 2013

9:00 am – 10:00 am



DOE: JEH 10/15/13 Jeff Cheadle 10/24/2013

Jeff Cheadle

Date

ECOLOGY: Elis Eberlein 10/16/2013

Elis Eberlein

Date

MEETING MINUTES

222-S Project Manager's Meeting and Miscellaneous Laboratory Issues (TSD: TS-2-1; Operating Unit 8)

Meeting held on: 7/17/2013

Page 1 of 1

Meeting Attendees:

See attached list of attendees.

Agreements, Commitments, and Action Items

Minutes of the 6/19/2013 were approved. There were no additional agreement, commitments, or actions items made at this meeting.

222-S TSD or Miscellaneous Issues:

- Decontamination Criteria for 1B Vacuum Line – The proposed decontamination criteria for the vacuum line leading from Room 1B was discussed. The agreed upon decontamination criteria are included as an attachment to these meeting minutes.

222-S RCRA TSD Permit Issues:

- Ecology related that no date has been established to begin discussing comments received from the public 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:

September 18, 2013

3100 Port of Benton Blvd.

9-10 am

Attachments – 2

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

Attachment 1

Action Items/Parking Lot Items

List of Attendees

Agenda

222-S Lab Operations and Analytical Reports

Handouts

Action Items and Parking Lot Items

<u>ACTION</u>		
#	Action	Due Date
	No action items to date.	

<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

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 Criteria for 1B Vacuum Line
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

222S TSD Project Manager's Meeting
 WRPS Operations/Analytical Report
 May 15 – July 16, 2013

Operations:

- Completed repairs to counting room HVAC (UAC#1). Provides temperature control for radiochemistry instrumentation. 7/10/2013
- Completed annual cathodic protection preventative maintenance. Demonstrates compliance with 40 CFR265.195(f). 7/10/2013
- Completed preventative maintenance on the 222-S primary exhaust fans. Ensures reliable operation of the 222-S HVAC system. 7/11/2013
- Completed relocation of Liquid Chromatography Mass Spectrometer (LCMS) instrument from 222-SA into 222-S Laboratory. Allows for method development to support tank farm analytical needs. 6/28/2013
- Completed replacement of 219-S Portable Temporary Radioactive Airborne Emissions Unit (PTRAEU) duct hose. Replacement needed due to degradation of existing duct hose. 6/6/2013
- Collected post chemical addition samples of Tank 102. Samples analysis supports 219-S to SY-101 transfer scheduled for August 2013. 6/3/2013
- Completed electrical outage for the 11-A Hotcell. Outage was performed for transformer maintenance and breaker upgrade to provide reliable electrical service. 6/3/2013
- Completed repairs to Exhaust Fan #2. Returns 222-S to normal HVAC configuration. 5/17/2013

Analytical:

- Issued results on the performance evaluation of key constituents during pre-treatment of high-level waste direct feed. This work supports planning for waste delivery to WTP.
- Issued results for the boil down study on supernatant liquid retrieved from Tank AW-106 in December 2012. This work supports the 2013 242-A Evaporator campaign.

Waste Shipments:

Waste Type	Containers	Receiving Facility
LLW	16 drums and 1 Sea-Land Box	Perma-Fix NW
MW	0	none
DW	1 Box, 11 Drums	PSC
Recycle	1 Box, 1 Drum	Hanford Site Centralized Consolidation/Recycling Center (CCRC)

ATL Analytical Report for the July 2013 PMM

Report On Time Deliverables: For those samples delivered in calendar year 2013, the deliverables metric as of 7/8/13 is 100% (all 19 deliverables in June were on-time or early; all 2 deliverables so far in July 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%

YTD performance: 97.5%

Holding Time performance:

Samples Received in CY 2013:

100% of all holding time preps/analyses were met in June (263 of 263); all (64 of 64) so far in July have been met (through 7/8/13) .

98.4% calendar year 2013 through 7/8/13.

Projects in progress:

- Hg & NH4 Vapor Tubes – WRPS vapor tubes for IH analysis
- Aluminum Phosphate
- AN102 CC8
- AY101 CC8
- TK102 04/13
- Gibbsite Dissolution
- AY102A-LDP3
- AY102A LDP Pump Pad
- C109 CLO
- IHPAT PE#194, BePAT #32

Completed Projects:

- SOIL 82,

- C104 CLO
- NH3 & Hg Vapor Tube analyses
- PFP E4 Ventillation Wipes
- SX Tank Farm PW
- WSCF Diversion samples
- Gibbsite Dissolution (results for samples received through 5/22/13)
- Well 299-E27-20

Upcoming projects:

- Hg & NH4 Vapor Tubes – WRPS vapor tubes for IH analysis
- C107 ORSS Solid closure samples – Aug/Sep 2013
- AN-102 – Corrosion Mitigation/Strategic Planning – July
- Gibbsite Solubility - Sample receipt continues
- WRPS FY13 Be IH Sample, Schedule May
- Vadose TX Farm, Scheduled for July, 2013
- AZ301 Catch Tank – July 2013
- AY102 LDP

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Completed Projects:

- SOIL 82,

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

Attachment 2

Decontamination Criteria for 1B Vacuum Line

Decontamination Criteria of Room 1B Process Vacuum Line at the 222S Laboratory

Background: Approximately 50 ml of dilute acid digest from a Tank Farm sample was inadvertently aspirated into the process vacuum line at Hood 3 in Room 1B. The vacuum line was flushed with about 500 ml of water and the in-line vacuum trap removed because flush water leaked out of some welds on the trap. The discussion below is to document criteria WRPS will use to decontaminate the remaining vacuum line between Hood 3 in Room 1B and the in-line trap in the basement. The vacuum line in question is a small diameter pipe and is about 12 feet in length. The volume of the pipe will hold about 2 liters from Hood 3 to the line's terminus in the basement.

Decontamination Criteria:

1. Criteria discussed at the 6/19/2013 meeting: Ecology, ORP, and WRPS agreed that the line will be adequately decontaminated when:
 - a. The pH of the flush water is ≥ 3.5 OR
 - b. The pH of two consecutive flushes are within 0.2 pH units OR
 - c. At least one rinse and up to 3 rinses of 1 liter each
 - d. Use pH meter
 - e. Test pH within 24 hours
 - f. WRPS action to go back and determine if this criteria should be agreed upon

2. WRPS also proposed (and Ecology agreed) that the decontamination criteria could be achieved based on rinse volume due to ALARA concerns. This will allow one entry into the radiologically contaminated Tunnel area. In order to demonstrate adequate decontamination, WRPS proposes that :
 - 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. The vacuum line will be flushed with the aid of the Process Vacuum to aid in the emptying of the vacuum line. Each flush will be collected in separate carboys (samples will be collected such that there is minimal headspace).
 - b. The flush water collected in each carboy will be analyzed for pH in accordance with SW-846 method 9040 (i.e., using a pH meter).
 - c. If the line successfully undergoes three flushes, decontamination will be complete if the pH of the third flush is greater than pH 2.
 - d. 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.
 - e. pH testing will be performed within 24 hours of the flush.
 - f. If the pH of the last flush is not $> \text{pH } 2.0$, then WRPS, ATL and DOE representatives will meet with Ecology to discuss alternative options.