



Meeting held on February 18, 2015

## MEETING MINUTES

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### Meeting Attendees:

See Attachment 1 for the list of attendees.

### Agreements, Commitments, and Action Items

DOE provided signed and approved minutes from the 6/18/14 meeting. See Attachment 1 to the 6/18/14 meeting minutes for the list of Action Items and Parking Lot Items.

No actions were closed and two actions were confirmed to be remaining open during this meeting. They are:

- **Action Item #1:** WRPS to provide a brief synopsis of the condition of Tank 103. Synopsis will include statement about the condition the tank was left, knowledge of the contents/heel, DOE/Ecology communications, and agreements. Due date: 3/15/2015 (or the next PMM)
- **Action Item #2:** WRPS to provide a brief synopsis of the status of the piping staged in the T-8 tunnel alcove. Synopsis will include information about the flushing of the pipes, DOE/Ecology communication and agreements. Due date: 3/15/2015 (or the next PMM)

### 222-S TSD or Miscellaneous Issues:

WRPS provided a briefing on an event occurring in the fall of 2014 where a laboratory hot plate was found to be inadvertently plugged in while being stored in a fume hood, damaging an outer container holding a bag of hazardous waste solids within a Satellite Accumulation Area (SAA). Ecology indicated they would like to visit the laboratory to look at SAAs and offer compliance assistance.

### 222-S RCRA TSD Permit Issues:

- Ecology related that no schedule has been established yet to start Permit Workshops with DOE or the contractors.
- Ecology related that development of Conceptual Agreement Packages regarding Permit addenda should be completed near the end of March 2015.
- Ecology reiterated that in order to prepare their staff for the Permit Workshops, they would like to better understand the condition of Tank 103 and the piping staged in the T8 Tunnel alcove. Action Items 2 and 3 were established to track these items.

### 222-S Laboratory Operations and Analytical Status:

Analytical and Operational reports are attached to these minutes.

### Next Meeting:

April 15, 2015

3100 Port of Benton Blvd.

9-10 am

Attachments - 1

Meeting held on February 18, 2015

## Attachment 1

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

Meeting held on February 18, 2015

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

February 18, 2015

Agenda

1. Introductions
2. Approval of Previous Meeting Minutes
3. Agreements, Commitments, and Status of Action Items
4. 222-S TSD or Miscellaneous Issues
5. 222-S RCRA TSD Permit Issues
6. 222-S Laboratory
  - a. Operations Report
  - b. Analytical Report
7. Review of New Action Items

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### Attendance Roster

Name	Affiliation	Contact
Keith Greenough	WRPS	373-9541
Lucinda Borneman	WRPS	373-2821
Jan Hamm	ATL	373-2129
Jeff Chandle	ORP	376-0755
ERIC VANMASON	WRPS	373-7438
Elis Eberlein	Ecology	372-7806
Deborah Singleton	Ecology	372-7923
Bryan Trimberger	ORP	376-2674

222S TSD Project Manager's Meeting  
 WRPS Operations/Analytical Report  
 June 18, 2014 through February 18, 2015

<b>Activities of Note</b>	
<b>Operational Activities</b>	<b>Date</b>
Completed annual inspection of the cathodic protection systems for 219-S and Hot cells.	06/13/2014
Completed floor scan of Lab room 1-L to allow installation of the new fume hood.	06/24/2014
Completed repairs to Dangerous and Mixed Waste Storage Area HS-00083 HVAC unit.	7/16/2014
Completed preparations for turning Laboratory 4-S over to construction for renovation.	7/17/2014
Completed annual inspection of the 296-S-21 Stack sample probe and sample line.	7/24/2014
Completed calibration of the 296-S-21 stack monitoring instrumentation	7/24/2014
Completed replacement of 207-SL retention basin transfer pump.	7/31/2014
Completed repairs to the power supply for ICP-MS Instrument located in Lab 1-J.	8/14/2014
Completed Installation of a new chiller system for the 222-S vacuum pumps.	8/22/2014
Completed calibration of 296-S-21 stack sample monitoring components. S-21 is the 222-S main stack supplying ventilation to laboratory rooms, fume hoods and hotcells.	9/2/2014
Completed calibration of 296-S-16 stack sample monitoring components. Stack 296-S-16 supplies ventilation for the 219-S tank headspace.	9/2/2014
Completed calibrations of the 219-S tank level monitoring pressure transmitters.	9/3/2014
Several Chemical Technologist transferred to new positions at 222-S as a result of closure of the WSCF facility.	9/16/2014
Completed receipt and shipment of 242-A evaporator condensate samples for offsite analysis. These samples were previously analyzed at WSCF.	10/06/2014
Completed repairs to 222-S primary exhaust fan #2 anchors.	10/14/2014
Completed upgrades of the 296-S-21 exhaust fan controls.	10/14/2014
Completed decontamination and painting of the 1E-1 Hotcell large airlock, resulting in the Hotcell being ready to resume work on corrosion control and other studies.	11/3/2014
Completed calibrations of the 219-S tank level pressure transmitter instruments.	12/2/2014
Completed inspection and cleaning of the Room 2B Hood 16 sink strainer. The strainer protects against line clogging of the liquid waste transfer line to 219-S tank 104. The strainer was found in good condition.	12/2/2014
Completed 296-S-23 stack air flow testing. This exhauster ventilates the 219-S sample gallery hood.	12/17/2014
Completed preventative maintenance on the 222-S primary exhaust fans.	12/22/2014
Completed cathodic protection system maintenance.	12/31/2014
Initiated demolition activities for Room 1G-B upgrade.	1/20/2015
Completed HEPA filter and duct replacement on the 219-S Portable Temporary Radioactive Air Emission Unit (PTRAEU). The PTRAEU ventilates the 219-S vault during manned entries.	1/22/2015

222S TSD Project Manager's Meeting  
WRPS Operations/Analytical Report  
June 18, 2014 through February 18, 2015

Received and placed new Chiller for the 222-S HVAC system. Installation will occur in the coming weeks.	2/3/2015
<b>222-S Laboratory Upgrades</b>	
<b>Room 4S Upgrade Project:</b> Room 4S demolition, including asbestos abatement, has been completed. The room has been freshly painted and new flooring installed. Installation of new fume hoods and casework is nearing completion. Room 4S is scheduled for completion early this Calendar Year 2015. This room upgrade will bring Room 4S into compliance with modern codes and is part of the effort to upgrade 222-S Laboratory rooms.	Status as of 2/4/2015
<b>Room 1GB Upgrade Project:</b> Room 1GB demolition has commenced. The old casework has been removed and demolition of the existing hoods will begin this month. New casework is on order. The refurbishment of room 1G-B is scheduled for completion by this fiscal year.	Status as of 2/4/2015
<b>Room 4C Upgrade Project:</b> Design is in process and scheduled to complete spring of 2015. Demolition is scheduled for completion by the end of this fiscal year and renovation in Calendar Year 2016.	Status as of 2/8/2015
<b>Analytical Equipment</b>	
<ul style="list-style-type: none"> <li>• Inductively Coupled Plasma/Optical Emissions Spectrometer (ICP-OES): Equipment ordered, Room 1L hood in fabrication, installation expected mid FY2015.</li> <li>• Gas Chromatography/Mass Spectrometry (GC/MS): Installation is scheduled for mid FY2015.</li> <li>• Automated Solvent Extractor (ASE): Installation is scheduled for May 2015.</li> <li>• X-Ray Fluorescence (XRF): Installation was completed in February 2015.</li> <li>• Polarized Light Microscope (PLM): Installation is scheduled for mid-FY2015.</li> </ul> <p style="text-align: center;"><u>New instruments for FY2015:</u></p> <ul style="list-style-type: none"> <li>• Gas Chromatography/Mass Spectrometry (GC/MS): Equipment ordered, receipt at 222S is expected mid-FY 2015, installation is expected later in FY2015.</li> <li>• Thermal Desorption Units (TDU): Equipment ordered, receipt at 222S is expected in mid FY2015, installation is expected before the end of FY2015.</li> <li>• Gamma Energy Analysis Detector (GEA). Has been received at 222-S Laboratory. Installation is expected In May 2015.</li> </ul>	

222S TSD Project Manager's Meeting  
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<b>Waste Shipments</b>		
<b>Waste Type</b>	<b>Containers Shipped from 222S (6/18/14 – 2/5/15)</b>	<b>Receiving Facility</b>
LLW	54 Drums 1 Box	Perma-Fix Northwest
LLW	1 Roll-Off	Environmental Restoration Disposal Facility at Hanford (ERDF)
MW	3 Boxes/28 Drums	Diversified Scientific Services Inc.
DW	105 Drums	PSC Environmental Services
Recycle	19 Drums//Boxes	Hanford Site Centralized Consolidation/Recycling Center (CCRC)
Recycle	1 Drum Lead	Toxco

LLW: Low-level radioactive waste

MW: Mixed Waste (Radioactive Dangerous Waste)

DW: Dangerous Waste (non-radioactive Dangerous Waste)

## ATL PMM Analytical Report for February 2015

**Report On Time Deliverables:** For those deliverables for which the clock started in calendar year 2014, the deliverables metric as of 2/5/15 is 99.0%. For 2015, the PBI#1 metric was revised to be the number of on-time analytical deliverables divided by the total number of analytical deliverables reported during the evaluation period. In January, 93.3% of deliverables were reported on time (14 deliverables were on time or early; 1 was late).

### QA Evaluations/Proficiency Tests: 2014

Month	Study	Reported	Correct	Study %
Feb	IHPAT-196	12	12	100%
March	WP-228	181	177	97.8%
April	BePAT-34	4	4	100%
May	IHPAT-197	12	12	100%
May	MRAD-20	47	47	100%
June	Soil-86	170	167	98.2%
Aug	BePAT-35	4	3	75.0%
Aug	IHPAT-198	12	12	100%
Sep	WP-234	103	102	99.0%
Nov	IHPAT-199	12	12	100%
Nov	MAPEP-31	38	38	100%
Nov	MRAD-21	38	37	97.4%
Dec	SOIL-88	154	151	98.1%
Dec	BePAT-36	4	4	100%

YTD Performance: **98.1%**

**Holding Time Performance:**

- For samples received in CY 2014, 100% of all holding time preps/analyses were met in January (118 of 118). The holding time metric for calendar year 2014 is 98.7% as of 2/5/15.
- For 2015, the PBI#3 metric was revised to be the number of holding times met divided by the total number of analytical tests with holding times, for analyses performed by the laboratory during the evaluation period. In January, 100% of holding times were met (214 out of 214).

**Projects in Progress:**

- Hg & NH<sub>3</sub> Vapor Tubes – WRPS vapor tubes for IH analysis
- SY102 Core
- C-105 solids
- A-AX Farm Vadose
- AX104 Simulant Retrieval
- PFP South Canyon RADU Tank
- C112 Closure

**Expected Sample Receipt:**

- IH Hg & NH<sub>3</sub> WRPS Vapor Tubes – continues
- SY102 Core Sampling – continues
- A-AX Farm Vadose - continues
- C105 Solids - continues
- C112 ORSS Closure - continues

**222S TSD TPA PMM**  
**Action Items and Parking Lot Items**

<b><u>ACTION ITEMS</u></b>			
<b>#</b>	<b>Action</b>	<b>Due Date</b>	<b>Status</b>
<b>2</b>	WRPS to provide a brief synopsis of the status of the piping staged in the T-8 tunnel alcove. Synopsis will include that statement about the flushing of the pipes, DOE/Ecology communication and agreements.	4/16/2014	<b>OPEN</b>
<b>1</b>	WRPS to provide a brief synopsis of the condition of Tank 103. Synopsis will include statement about the condition the tank was left, knowledge of the contents/heal, DOE/Ecology communication, and agreements.	4/16/2014	<b>OPEN</b>

<b><u>PARKING LOT ITEMS</u></b>		
<b>#</b>	<b>Action</b>	<b>Resolution</b>
<b>PL1</b>	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