

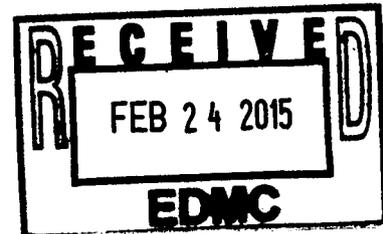
Meeting Minute Approval Sheet

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

Ecology Offices, 3100 Port of Benton Blvd.

June 18, 2014

9:00 am – 10:00 am



DOE: Feb Jeff Cheadle 2/17/2015

Jeff Cheadle

Date

ECOLOGY: Deborah Singleton 10/15/2014

Deborah Singleton

Date

Meeting held on June 18, 2014

## MEETING MINUTES

Page 1 of 2

### Meeting Attendees:

See Attachment 1 for the list of attendees.

### Agreements, Commitments, and Action Items

Minutes of the February 19, 2014 meeting were approved.

Attachment 1 to these meeting minutes contains the list of Action Items and Parking Lot Items.

The status of Action Item #4 was provided. The Status of Actions #2 and #3 are unchanged.

- **Action Item #4:** Provide Ecology with a copy of the 222-S Laboratory Dangerous Waste Training Plan. Due date: 3/14/2014 STATUS: The 222-S Laboratory Dangerous Waste Training Plan was delivered to Ecology on 3/4/2014.

### 222-S TSD or Miscellaneous Issues:

none

### 222-S RCRA TSD Permit Issues:

- Ecology updated the Hanford Permit progress for Revision 9 to the Hanford Site Dangerous Waste Permit. No schedule has been established to start Permit Workshops with DOE or the contractors.
- Ecology gave a brief overview of Revision 9 issuance. Ecology is developing guidance documents called Conceptual Agreement Packages (CAP) addressing each addendum. The CAP for Security will be delivered to DOE in the near future.

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

Analytical and Operational reports are attached to these minutes.

### Next Meeting:

April 16, 2014

3100 Port of Benton Blvd.

9-10 am

Attachments – 1

Meeting held on June 18, 2014

## 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 June 18, 2014

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

June 18, 2014

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

Meeting held on June 18, 2013

### Attendance Roster

Name	Affiliation	Contact
Lucinda Brannon	WRPS	373-2821
Deborah Singleten	Ecology	372-7923
Jeff Cheadle	DOE ORP	376-0755
Glen Trinor	WRPS	373-3173
Elis Eberlein	Ecology	372-7906
Dan Hansen	ATL	373-2129
LEE FEARON	ECOLOGY	372-7933
Keith Greenagh	WRPS	373-9541
Kelly Elsethagen	Ecology	372-7913

Meeting held on June 18, 2014

### List of Attendees

Name	Affiliation
Jeff Cheadle	ORP
Deborah Singleton	ECOLOGY
Elis Eberlein	ECOLOGY
Lee Fearon	ECOLOGY
Kelly Elsethagen	ECOLOGY
Lucinda Borneman	WRPS
Glen Triner	WRPS
Keith Greenough	WRPS
Dan Hansen	ATL

Meeting held on June 18, 2014

222S TSD Project Manager's Meeting  
WRPS Operations/Analytical Report  
February 19 through June 18, 2014

<b>Activities of Note</b>	
<b>Operational Activities</b>	<b>Date</b>
Completed calibrations of the 296-S-16 stack monitoring system. This equipment monitors radiological emissions from the 219-S tank ventilation system.	2/21/2014
Completed calibrations of the 296-S-21 stack monitoring system. This equipment monitors radiological emissions from the 222-S ventilation system.	2/26/2014
Completed chemical addition and sampling to prepare 219-S tank 102 contents for transfer to 101-SY.	3/17/2014
Completed replacement of 219-S tank 101 pressure transmitter. This restores specific gravity measurement for the tank.	3/20/2014
Completed stack air flow testing for 222-S main stack (296-S-21) Completed annual aerosol testing of 222-SB and 222-SE HEPA filter buildings. The aerosol and flow tests are air operating permit requirements for operation of the 222-S HVAC system.	3/24/2014
Completed an electrical outage to support tie-in work for replacement air compressors for 222-S.	3/31/2014
Received one 55-gallon drum of Off Unit waste from WRPS at the 222S DMWSA. The waste is liquid scintillation cocktails generated during the sample counting for the Tank Farm radiological control organization.	4/9/2014
Completed electrical demolition for the Room 1-L hood 6 replacement. This supports the installation of the new hood designed to hold the ICP-OES.	4/24/2014
Received the final ATL report for Tank 102 grab samples collected in March 2014 in support of 219-S waste transfer to DST tank 241-SY-101.	5/1/2014
Completed annual maintenance on EF-4 diesel motor. This maintenance meets the new MACT standards for stationary motors as incorporated into the Hanford Site Air Operating Permit.	5/05/2014
Completed removal of the fume hood in lab room 1-L supporting the ICP-OES instrument upgrade.	5/15/2014
The 222-S Laboratory Sample Management Office (SMO) brokered 697 samples. This increased sample load resulted from increased vapor sampling in the Tank Farms.	6/02/2014
<b>Completed transfer of 3000 gallons of laboratory waste stored in 219-S tank 102 to DST 101-SY.</b>	<b>6/05/2014</b>
Completed calibration of 219-S tank waste level pressure transmitters.	6/09/2014
Completed HEPA filter testing for the 219-S-16 and 219-S-23 stack exhaust systems. These exhausters support tank ventilation and sample gallery hood operation for the 219-S waste handling facility.	6/09/2014
Received one 55-gallon drum of Off Unit waste from WRPS at the 222S DMWSA. The waste is liquid scintillation cocktails generated during the sample counting for the Tank Farm radiological control organization.	6/12/2014

Meeting held on June 18, 2014

### **Activities of Note**

#### **Room Upgrades**

**Room 4S Upgrade Project:** Room 4S will be upgraded with new hoods, casework, floor covering to be installed and lighting upgraded. Asbestos and PCB ballasts will be removed. Design was completed in Spring 2014. Construction contract has been awarded and mobilization is in progress. Demolition projected to start in Summer 2014. Room 4S upgrade completion is expected in late FY2014 or early FY2015.

**Room 1GB Upgrade Project:** Room 1GB will be upgraded with the same scope as the Room 4S upgrade. Design is in progress. Demolition is planned to start in late fall 2014 with Room 1GB upgrade completion is expected mid-FY2015.

#### **Analytical Equipment**

Five major pieces of analytical equipment are being ordered in FY2014.

- Inductively Coupled Plasma/Optical Emissions Spectrometer (ICP-OES): Equipment ordered, Room 1L hood in fabrication, installation expected in late CY2014.
- Gas Chromatography/Mass Spectrometry (GC/MS): Equipment ordered, receipt at 222S expected July 2014, installation expected in FY2015
- Automated Solvent Extractor (ASE): Equipment ordered, receipt at 222S expected in June 2014, installation expected in FY2015
- X-Ray Fluorescence (XRF): Equipment ordered, receipt at 222S expected August 2014, installation expected in FY2015
- Polarized Light Microscope (PLM): evaluating proposals. Receipt at 222S expected in September 2014. Installation expected in FY2015

#### **Waste Shipments:**

<b>Waste Type</b>	<b>Containers Shipped from 222S (2/19/14 – 6/18/14)</b>	<b>Receiving Facility</b>
LLW	33 Drums 1 Box	Perma-Fix Northwest
LLW	20 Boxes	Environmental Restoration Disposal Facility at Hanford (ERDF)
MW	45 Drums	Perma-Fix Northwest Diversified Scientific Services Inc.
DW	23 Drums	PSC Environmental Services
Recycle	8 Drums 9 Boxes	Hanford Site Centralized Consolidation/Recycling Center (CCRC)

Meeting held on June 18, 2014

**Off Unit Waste Received at 222-S TSD:**

<b><i>Drums</i></b>	<b><i>Description</i></b>	<b><i>Receipt Date</i></b>
<b>1</b>	<b>Received one MW drum of liquid scintillation cocktail vials from WRPS Tank Farms Radiological Control. Waste is generated as a result of daily background checks, monthly system checks, daily source checks, and sample counting for Tank Farm activities.</b>	<b>4/09/2014</b>
<b>1</b>	<b>Received one 55-gallon MW drum of liquid scintillation cocktail vials from WRPS Tank Farms Radiological Control.</b>	<b>6/12/2014</b>

LLW: Low-level radioactive waste

MW: Mixed Waste (Radioactive Dangerous Waste)

DW: Dangerous Waste (non-radioactive Dangerous Waste)

Meeting held on June 18, 2014

**ATL PMM Analytical Report For June 2014**

**Report On Time Deliverables:** For those samples delivered in calendar year 2013, the on-time report deliverables metric as of 2/6/14 is 99.6% (234 reports on time or early out of 235). For Calendar year 2014 the on-time report deliverables metric is 100% (11 in January were on time or early, and 3 in Feb., as of 2/6/14).

**QA Evaluations/Proficiency Tests: 2013/2014**

Month	Study	Reported	Correct	Study %
Aug	IHPAT-194	12	11	91.7%
Aug	BePAT-32	4	3	75.0%
Sep	WP-222	175	174	99.4%
Nov	IHPAT-195	12	12	100.0%
Nov	MAPEP-29	48	43	89.6%
Dec	MRAD-19	41	40	97.6%
Dec	Soil-84	164	164	100.0%
Dec	BePAT-33	4	3	75.0%
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%

YTD Performance: **98.4%****Holding Time Performance:**

- 100% of all holding time preps/analyses were met in May (73 of 73); all (3 of 3) so far in June have been met (through 6/8/14).
- 99.6% calendar year 2014 through 6/8/14.

Meeting held on June 18, 2014

## Action Items and Parking Lot Items

<b><i>ACTION ITEMS</i></b>			
#	Action	Due Date	Status
4	WRPS to provide Ecology the 222-S Laboratory Dangerous Waste Training Plan	3/15/2014	<b>CLOSED</b> (See attached form for Receipt of Regulatory and Tank Farm Information)
3	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>  (Continued action)
2	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>  (Continued action)
1	Ecology to provide comments or accept the Unmanifested Waste Report submitted by ORP on 10/8/2013 (via letter 13-ECD-0080)	11/15/2013	<b>CLOSED</b> (see Ecology letter 13-NWP-116)

<b><i>PARKING LOT ITEMS</i></b>		
#	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

