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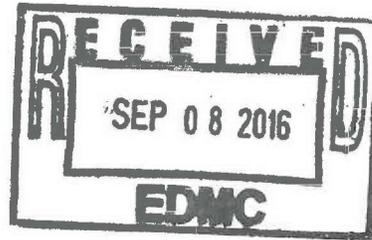
Meeting Minute Approval Sheet

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

Ecology Offices, 3100 Port of Benton Blvd.

February 17, 2016

9:00 am – 10:00 am



DOE: *Lori Huffman* 5/18/16  
Lori Huffman Date

ECOLOGY: *Deborah Singleton* for  
Deborah Singleton Date

TS-2-1

# MEETING MINUTES

Page 1 of 2

## Meeting Attendees:

See Attachment 1 for the list of attendees.

## Agreements, Commitments, and Action Items:

[Meeting minutes from the 11/18/15 meeting were signed after this meeting and added to the administrative record.] See Attachment 1 to the 11/18/15 meeting minutes for the list of Action Items and Parking Lot Items.

One action was closed, two actions were confirmed to be remaining open, and one new action was created during this meeting. The status of each action was reviewed as follows:

- **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.
  - **Status:** WRPS will continue research on Tank 103 history and provide a synopsis.
- **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.
  - **Status:** CLOSED
- **Action Item #4:** WRPS to provide the most recent 207-SL sample analysis results to Ecology.
  - **Status:** Ecology and DOE requested these results be sent electronically (WRPS sent to ecology/DOE on 2/25/16)
- **New Action Item:** Ecology to review the synopsis of the status of piping staged in the T-8 tunnel alcove and determine a permitting path forward.

## 222-S TSD or Miscellaneous Issues:

The following miscellaneous issues were discussed:

- WRPS provided a briefing on the 222-SE (EF-4) engine replacement. The engine is not yet put in operation. Vibration problems when the fan is engaged have been encountered during testing. Troubleshooting will occur such as checking the alignment.

222-S RCRA TSD Permit Issues:

- Ecology related that there have been no further developments since the last PMM (November 18, 2015).

222-S Laboratory Operations and Analytical Status:

Analytical and Operational reports are attached to these minutes.

Next Meeting:

April 20, 2016

3100 Port of Benton Blvd.

9-10 am

Attachments - 1

## Attachment 1

1. Agenda
2. Attendance Roster
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

February 17, 2016

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

## Attendance Roster

Name	Affiliation	Contact
Jeff Cheadle	DOE ORP	376-0755
Deborah Singleton	Ecology	372-7923
Elis Eberstein	Ecology	372-7906
Lucinda Parsons	WRPS	373-2801
Joe Sunday	ORP	373-9179
Keith Greenough	WRPS	373-9541
Kris Kuhl-Klinger	WAI / WHL	373-0542
Eric VanMason	WRPS	373-7438

WRPS Operations/Analytical Report  
June 17 – August 18, 2015

<b>Activities of Note</b>	
<b>Operational Activities</b>	<b>Date</b>
Performed calibration of 219-S tank level monitoring instrumentation.	11/18/2015
Completed Installation of new diesel engine for exhaust fan #4 and initiated startup testing.	12/7/2015
Completed periodic flushing of the 219-S cell B drain lines utilized for waste transfers from the Hotcells.	12/14/2015
Completed HEPA filter testing on the 219-S Portable Temporary Radioactive Air Emissions Unit.	1/21/2016
Installed new GC/MS in lab 4-S to support chemical vapor analysis for the TVAT program.	2/5/2016
Completed replacement of the demineralized water tank for the lab.	2/5/2016
Performed calibrations of the 219-S tank level monitoring instrumentation.	2/11/2016
Completed testing of the process water back-flow preventer in the 219-S Operations gallery.	2/11/2016
Installed new auto samplers for GC/MS in lab 4-S to support chemical vapor analysis for the TVAT program.	2/11/2016
Performed asbestos characterization on MO-037 piping, supporting removal of building.	2/11/2016

<b>FY2016 222-S Laboratory Upgrades</b>	
<b>EF-4 Diesel Engine Installation:</b> Engine is installed and testing is in progress.	Status as of 2/16/2016
<b>Freight Elevator Upgrade:</b> Planned for FY16	
<b>TVAT instrument installations:</b> Instrumentation will be installed to support increased vapor analysis.	
<b>MO-037 Demolition:</b> Demolition and removal planned for FY16.	
<b>New Non-Rad Standards Laboratory:</b> Design planned for FY16.	

### **Analytical Equipment**

#### FY2014 Carryover:

- Inductively Coupled Plasma/Optical Emissions Spectrometer (ICP-OES): Equipment received. Hood installation planned for FY16.
- Automated Solvent Extractor (ASE): Due to the need to install a larger hood, instrument installation is planned for FY16.

#### FY2016:

- Cold Vapor Atomic Absorption Spectrometer (WHL Inorganic IH work)
- (2) Multipotentiostats (WRPS Corrosion testing): One unit has been received
- Gas Chromatograph/Mass Spectrometer (WRPS Organic IH work)
- Liquid Scintillation Counter (WHL Radiochemistry): Instrument received. Installation planned for FY16.

<b>Waste Shipments</b>		
<b>Waste Type</b>	<b>Containers Shipped from 222S (11/18/15 – 2/15/16)</b>	<b>Receiving Facility</b>
LLW	36	PFNW
DW	43	Stericycle
MW	12	PFNW
Recycle	3	CCRC

LLW: Low-level radioactive waste

DW: Dangerous Waste (non-radioactive Dangerous Waste)

MW: Mixed waste

**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>4</b>	Ecology to review the synopsis of the status of piping staged in the T-8 tunnel alcove and determine a permitting path forward.	-	<b>New Action</b>
<b>3</b>	WRPS to provide the most recent 207-SL sample analysis results to Ecology.	<b>2/17/16</b>	<b>OPEN (Completed 2/15/16)</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.	<b>2/17/16</b>	<b>CLOSED</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/heel, DOE/Ecology communication, and agreements.	<b>4/20/16</b>	<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

# Wastren Advantage, Inc. Hanford Laboratory (WHL)

## Analytical Report – January 2016

### Report on Time Deliverables

In January, 100% of deliverables were reported on time (15 deliverables were on time or early).

The deliverables metric for calendar year 2016 is 100% as of 2/3/16.

<b>PEMP On-Time Deliverables Metric for CY 2016</b>				
<b>Status as of 02/03/2016</b>				
Month Delivered	Completed Deliverables	On-Time or Early	Late	Percent On-Time
<b>CY 2016</b>	<b>19</b>	<b>19</b>	<b>0</b>	<b>100.0%</b>
<b>Detail by Month</b>				
<b>1st Quarter</b>	<b>19</b>	<b>19</b>	<b>0</b>	<b>100.0%</b>
January	15	15	0	100.0%
February	4	4	0	100.0%

### QA Evaluations/Proficiency Tests:

The total number of analyses performed remains at 229 with 224 being acceptable, resulting in 97.8% performance level.

<b>Study Summary Results</b>				
Report Date	Study	Reported	Correct	Study %
11/24/2015	MRAD-23	47	47	100.00%
12/2/2015	MAPEP-33	53	48	90.57%
12/7/2015	SOIL92	125	125	100.00%
12/15/2015	BePAT-39	4	4	100.00%
<b>2015 Total:</b>		<b>229</b>	<b>224</b>	<b>97.82%</b>
<b>Report Total:</b>		<b>229</b>	<b>224</b>	<b>97.82%</b>



**Analytical Performance Evaluation**

**Holding Time Performance:**

The holding times metric for calendar year 2016 is 100% as of 2/3/16.

<b>PEMP Holding Time Metric for CY 2016</b>				
Status as of 02/03/2016				
Month Performed	Total	Met	Missed	% Met
<b>CY 2016</b>	<b>338</b>	<b>338</b>	<b>0</b>	<b>100.0%</b>
Detail by Month				
<b>1st Quarter</b>	<b>338</b>	<b>338</b>	<b>0</b>	<b>100.0%</b>
January	324	324	0	100.0%
February	14	14	0	100.0%

**Projects in Progress**

- C111 Hard Heel Retrieval 2016
- NH3 & Hg Vapor Tubes
- AY 102A-LDP
- 2016 Jan Headspace
- AP104 Evap 2015-12
- EC-04 Boildown Study

**30-Day Forecast**

- C102 Closure
- SY101 Chemistry Control
- AY-101 (EC-07) Evaporator
- Vadose C9449, 299-E27-26
- AN101 Organic Check Surface Grabs continuation