



# MEETING MINUTES

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## Meeting Attendees:

- See Attachment 1 for the list of attendees.
- Melanie Myers was introduced. She will be the interim Hazardous Material Control manager filling for Jacob Johnson who will be taking on a different position within WRPS.

## Agreements, Commitments, and Action Items:

- Meeting minutes from July meeting have been approved and are in the Administrative Record.

## 222-S TSD or Miscellaneous Issues:

- None

## 222-S Laboratory Operations and Analytical Status:

- Operational and analytical reports are attached to these minutes.
- Keith Greenough mentioned that this has been a busy time with the 219-S Integrity Assessment. Batching and sampling have been completed. An attempt to transfer contents from 219-S TK-104 to 219-S TK-102 was discontinued due to receiving a low instrument pressure alarm. The group was continuing troubleshoot. The goal was to be prepared to transfer to SY Farm on 9/12. Additionally, they will be also checking filters.
- Kelly Elsethagen asked for an email to update Ecology on status of the troubleshooting. (Email from Greenough on 9/16/19 indicated troubleshooting and maintenance was successful, instrument air was restored, and the transfer was completed 9/14/19).
- The operational activities report was reviewed (see attachment 3). Items of additional discussion included the following:
  - Support to the MSA water outage for the replacement of the 222-S Complex Potable Water supply lines consisted of checking the fire system.
  - The completion of the potable water Air Gap was compliant along with purveyors being present but no letter or notification has been received.
  - Completion of the testing of the 219-S PTRAEU consists of ventilating the cell workspace.
  - 219-S Integrity Assessment: internal videos and external videos were witnessed by the IQRPE.
  - 222-S Fire Alarm System Upgrade: Final PE stamps are in process of being released. Upgrades include fire panel, heat detectors, and smoke detectors, due to being obsolete.
  - For FY 2019: Due to upgrades a 208 Volt on chiller will be needed.
- WHL provided the analytical report (see attachment 3). Those which are provided additional information are noted here:

- Due to fire, accreditation will be retracted as there is not enough instrumentation available. A letter of suspension has been received along with information on the steps necessary to get the accreditation back.
- WHL is currently waiting for direction from ORP to determine what will be the next steps for their IH analytical program.

Next Meeting:

- Wednesday November 13, 2019 @ 8 a.m. at Department of Ecology (3100 Port of Benton Blvd)

## Attachments

1. Agenda
2. Attendance Roster
3. 222-S Lab Operations Report
4. Action Items/Parking Lot Items

222-S Project Managers Meeting  
And Miscellaneous Laboratory Issues  
Department of Ecology, 3100 Port of Benton, Richland, WA 99354  
RFO - #3A Snake River

September 11<sup>th</sup>, 2019

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 Laboratory
  - 5.1. Operations Report
  - 5.2. Analytical Report
6. Review of New Action Items

<b>Activities of Note</b>	
<b>Operational Activities</b>	<b>Date</b>
Performed Visual Inspection of 2B Hood 16 sink and 219-S sample gallery waste lines.	7/17/19
Supported MSA water outage for the replacement of 222-S Complex Potable Water supply lines.	7/20/19
Performed sampling of 219-S tank 102 for SVOA and PCB analysis.	7/29/19
Completed New ICP instrument installation in Lab 4-K.	7/30/19
Completed annual ignitable and reactive waste inspection.	8/13/19
Completed installation of new AEA instrumentation in lab B1-A	8/15/19
Completed 6 month dry chem fire system maintenance on HS-0082 and HS-0083	8/20/19
Completed flushing of drain lines from 222-S to 219-S tanks.	8/21/19
Completed 207-SL to TEDF transfers.	8/22/19
Completed installation of new XRD instrument in lab B1-G.	8/22/19
Completed installation of potable water Air Gap	8/29/19
Completed testing of process water backflow preventers in 2-B and 1-E	8/27/19
Completed Quarterly PAX speaker testing	8/28/19
Completed testing of the 219-S PTRAEU	8/29/19

<b>FY2019 222-S Laboratory Upgrades</b>	
<b>New Non-Rad Standards Laboratory:</b> Project has been placed on hold.	Status as of 09/11/2019
<b>Air Gap for potable water line:</b> Air gap installation is Complete	
<b>219-S Integrity Assessment:</b> Static pressure leak testing of 219-S tanks has been completed. Field work for Visual inspection work package has initiated. Field work for Integrity Assessment is scheduled to complete by December 2019.	
<b>222-S Fire Alarm System upgrade:</b> Design is complete. Drawings are being released.	

**Analytical Equipment**

FY 2019:

- ICP/MS installation scheduled for September 2019. (FY-18 carry over)
- X-Ray Diffraction instrument - Complete
- 2 replacement Ion Chromatographs- Complete
- GC/MS for Volatile Organic Analysis - Complete
- Purge and Trap for VOA - Complete
- Replacement of ICP/OES - Complete
- Replacement Alpha Energy Analyzer - Complete

*Analytical Equipment*

FY 2020

- Gamma Energy Analyzer.
- Gas Pycnometer.
- GC/MS for Semi-Volatile Organic Analysis.
- GC-ECD for Pesticide/PCB Analysis
- GC/MS with Thermal Desorption Unit (2).

**Waste Shipments**

<i>Waste Type</i>	<i>Containers Shipped from 222S (07/03/19-09/05/19)</i>	<i>Receiving Facility</i>
LLW	20	PFNW and ERDF
DW	14	Stericycle
MW	17	Perma-Fix Northwest/DSSI/ERDF
TRU	0	CWC
Recycle Lead	1	Toxco
Recycle	10	CCRC

LLW: Low-level radioactive waste

DW: Dangerous Waste (non-radioactive Dangerous Waste)

MW: Mixed Waste

TRU: Transuranic Waste

Wastren Advantage, Inc. Hanford Laboratory (WHL)

222-S Analytical Contractor Quarterly Report – August 31, 2019

**Events of Interest**

WHL completed the release of 115 procedures in order to comply with the new WDOE requirements for waste labeling (WAC 173-303), and completed implementation of the Multiple Procedure Chemical Compatibility Review (MPCCR) process.

**Contract Performance Metrics**

**Time Deliverables**

Deliverable metric for FY 2019 is 98.9%

Monthly Completed Deliverable Packages													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	TOTAL
FY 2019	32	21	26	21	25	33	47	61	37	44	40		373

**QA Evaluations/Proficiency Tests:**

Analytical Performance Evaluation for FY 2019 is 95.9%.

PROFICIENCY TESTING- STUDY SUMMARY RESULTS- August 2019				
Report Date	Study	Reported	Correct	Study %
Total- Oct 2018		68	68	100
Total- Nov 2018		177	163	92.1
Total- Dec 2018		19	16	84.2
Total- Jan 2019		45	42	93.3
Total- Feb 2019		28	28	100
Total- Mar 2019		129	128	98.5
Total- Apr 2019		92	91	98.9



Total May 2019		75	73	97.3
Total- Jun 2019		36	32	88.9
Total- Jul 2019		0	0	N/A
08/01/19	ERA Quick Turn-	1	1	100
08/15/19	BePAT 50	4	4	100
08/15/19	IHPAT 218	12	12	100
Total- Aug 2019		17	17	100
Total- YTD		686	658	95.9

### Holding Time Performance:

The holding times metric for FY 2019 is currently at 99.1%.

<b>PEMP Holding Time Metric for FY 2019</b>				
<b>Status as of 08/31/2019</b>				
Month Performed	Total	Met	Missed	% Met
October	123	123	0	100.0%
November	220	216	4	98.2%
December	182	176	6	96.7%
<b>1st Quarter</b>	<b>525</b>	<b>515</b>	<b>10</b>	<b>98.1%</b>
January	173	173	0	100.0%
February	216	216	0	100.0%
March	361	361	0	100.0%
<b>2nd Quarter</b>	<b>750</b>	<b>750</b>	<b>0</b>	<b>100.0%</b>
April	564	561	3	99.5%
May	631	620	11	98.3%
June	535	529	6	98.9%
<b>3rd Quarter</b>	<b>1730</b>	<b>1710</b>	<b>20</b>	<b>98.8%</b>
July	498	494	4	99.2%
August	547	547	0	100.0%
<b>4<sup>th</sup> Quarter</b>	<b>1045</b>	<b>1041</b>	<b>4</b>	<b>99.6%</b>
<b>FY 2019</b>	<b>4050</b>	<b>4016</b>	<b>34</b>	<b>99.2%</b>

### **Projects in Progress**

- AY-101 CORE
- A-105 Grab
- AZ-101 Grab
- AW-102 Grab
- AN-102 Grab
- AZ-103 Catch Tank
- EW-151 Catch Tank
- A-AX Focus
- 105-KW Settled Solids
- LERF Basin 44 Sample
- 2018 AW105 SPC
- T-111 Corrosion Testing
- FY19 NH3 Vapor Tubes
- FY19 Hg Vapor Tubes

### **30-Day Forecast**

- A-104 Grab Sample
- C-103 Catch Tank
- MAPEP 41 Samples
- MRAD 31 Samples
- Caustic Hydrolysis (WTP effluent)
- FY19 NH3 Vapor Tubes
- FY19 Hg Vapor Tubes

Meeting held on September 11, 2019

### Attendance Roster

Name	Affiliation	Contact
KEN CHAPIN	WRPS 222-S	373-4751
ERIC VANMASON	WRPS Env	273-7438
Jack Davis	ECY	372-7930
Kelly Elsethagen	ECY	372-7923
Jacob Johnson	WRPS Waste Technical Services	373-3847
Keith Greenough	WRPS 222-S	373-9541
Melanie Myers	WRPS 222S	531-2417
Susan KON	VNSFS 222-S	724-840-3412
Maria Lopez	WRPS ENV	509-372-0303
Rana Evans	ORP	509 376 7889

