

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.

March 4th, 2020

8:00 a.m. – 9:00 a.m.

DOE: Richard J. Valle May 06, 2020
Richard Valle Date

ECOLOGY:  Digitally signed by Elsethagen, Kelly (ECY)
Date: 2020.05.07 10:47:08 -07'00'
Kelly Elsethagen Date

222-S PMM MEETING MINUTES

March 4th, 2020

Meeting Attendees:

- See Attachment 1 for the list of attendees.
- Richard Valle is currently filling in for Jeff Cheadle and will be signing off meeting minutes with Kelly Elsethagen.

Agreements, Commitments, and Action Items:

- Meeting minutes from January have been approved and have been submitted into the administrative record.
- Tony Scott submitted correct sample volumes via email in January to Ecology on 1/17/2020.

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 commented on the completion of 2 year fire barrier inspection consisted of egress from first floor to second floor.
- The emergency egress lighting inspections ensures batteries last.
- The annual dry chem fire system maintenance was on done on the DMWSA.
- The confocal microscope was installed in room 1D on 3/3/20.
- The 222-S Fire Alarm System upgrade has shift work in progress and on track to test in May.
- Gamma Energy Analyzer that is scheduled for July will need to procure shielding cave. The X-ray Microtomograph that is scheduled for June is for solid phase characterization.
- The Lab Complex Office building upgrade has a 90% site prep design and 30% on the building.
- Melanie Meyers from Waste Services provided information regarding the waste shipments. Thirty-nine containers shipped January –February.
- Additionally the volume of waste generated, and the number of sample and waste shipments increased significantly this year.
- Melanie also commented on campaign for disposing of archived samples stored in 2B single sample carriers is scheduled to be completed in March.
- Lastly, WHL provided input regarding the increase of analyses. Tony Scott mentioned that as of February 25,000 was the number they were currently at. The normal amount analyzed annually is from 15,000-25,000. This year it is expected that WHL will perform 50,000-60,000 analyses.
- There has been a small impact on deliverable dates due to fire from last year.
- ERA Quick Response 012920C- was clarified as Total Dissolvable Solids (TDS).

- ERA Quick Response 012920E- was clarified as Bromide and Silica.
- ERA Quick Response 020620B- was clarified as Phosphate.
- Next Meeting: May 13th, 2020 @ 8 a.m. at Department of Ecology (3100 Port of Benton Blvd).

Action Items:

- Tony Scott to provide results from PT test – Completed on 3/4/2020 via email from Tony Scott.
- WRPS Environmental to provide the 219-S Tank System IQRPE to Ecology.
- Next meeting May 13th, 2020 at Ecology. Kelly Elsethagen will schedule conference room.

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

March 4th, 2020

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
 - a. Operations Report
 - b. Analytical Report
6. Review of New Action Items

Meeting held on March 4th, 2020

Attendance Roster

Name	Affiliation	Contact
RODRIGO VALLE	DOE - O&P	509-376-7256
TERRY SCOTT	WRPS/WHL	509-373-2129
Melanie Myers	WRPS/WHL	509 531 2417
ROBIN VARLJEN	WRPS/ENV	509 521 - 2742
MARIA LOPEZ	WRPS/ENV	509-372-0303
Joe Sondag	DOE-O&P	509-373-9179
JACKSON DAVIS	ECY	509 372 7930
KEN CRAPANZAN	WRPS/ENV	509 373-4751
Kelly Elsethagen	ECY	509 372 7923
ERIC VAN MASON	WRPS	509 373 -7438
MARIA LOPEZ	WRPS	509-372-0303

Activities of Note	
Operational Activities	Date
Completed 1 and 5 year fire system device testing.	1/24/2020
Completed 2 year fire barrier inspection.	1/27/2020
Completed annual emergency egress lighting inspection.	1/30/2020
Completed annual wet fire riser testing.	2/10/2020
Completed bi-monthly cathodic protection system inspection	2/13/2020
Completed flushing of 222-S and 11-A to 219-S waste drain lines and traps.	2/19/2020
Completed annual dry chem fire system maintenance.	2/24/2020
Completed annual limited water system testing and 5 year riser #7 maintenance	2/25/2020
Completed installation of Confocal Microscope	3/3/2020

FY2020 222-S Laboratory Upgrades	
222-S Fire Alarm System upgrade: Construction is underway. Testing of the new system is scheduled for the end of May.	Status as of 3/4/2020
Lab Complex Office building upgrade: Design is scheduled to be complete by 9/30/2020.	

FY 2020 Analytical Equipment
<ul style="list-style-type: none"> • Confocal Microscope (Complete) • GC/MS with Thermal Desorption Unit. Scheduled for March • Gamma Energy Analyzer. Scheduled for July 2020. • Gas Pycnometer. Scheduled for March 2020. • GC/MS for Semi-Volatile Organic Analysis. Complete. • GC-ECD for Pesticide/PCB Analysis. Complete • X-ray Microtomograph. Scheduled for June 2020.

Waste Shipments		
Waste Type	Containers Shipped from 222S ()	Receiving Facility
LLW	16 – 55 gallon drums	PFNW
DW	11 – various size drums	Stericycle
MW	6 – 55 gallon drums	PFNW
MW	1 – ERDF RO/RO	ERDF
TRU	0	Na
Recycle	4 – jerry cans/boxes	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 – January 31, 2020

Events of Interest

The number of analysis completed by WHL remained high for the second quarter of FY 2020. A record number of analyses (6900) were completed in January, and WHL has already exceeded the maximum annual contractual limit of 25,000 analyses for the fiscal year.

Contract Performance Metrics

Delivery

Deliverable metric for FY 2020 is 96.8%

Monthly Completed Deliverable Packages													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	TOTAL
FY 2020	34	31	54	36									155

QA Evaluations/Proficiency Tests:

Analytical Performance Evaluation for FY 2020 is 91.8%.

Report Date	Study	Reported	Correct	Study%
October 2019		159	142	89.3
November 2019		88	84	95.5
December 2019	Soil 018	58	58	100.0
	MAPEP-41	16	12	75.0
	BePAT 51	4	4	100.0
	QR111319B	2	1	50.0
January 2020	121619C1	1	0	0
	121619C2	2	2	100.0
FY 2020 TOTAL		330	303	91.8

Holding Time Performance:

The holding times metric for FY 2020 is currently at 97.9%.

PEMP Holding Time Metric for FY 2020				
Status as of 02/09/2020				
Month Performed	Total	Met	Missed	% Met
October	252	245	7	97.2%
November	238	230	8	96.6%
December	456	444	12	97.4%
1st Quarter	946	919	27	97.1%
January	542	538	4	99.3%
2nd Quarter	542	538	4	99.3%
FY 2020	1488	1457	31	97.9%

Projects in Progress

- AN-107 CORE
- AN-107 CORE APD
- A-104 Grab
- AN-101 Grab
- AZ-101 Grab
- AN-102 Grab
- AZ-301 Catch Tank
- EW-151 Catch Tank
- AP-102 Grab
- AW-103 Grab
- AP-106 Grab
- A-AX Focus
- AN-101 Corrosion
- LERF Plastic Debris
- 2018 AW105 SPC
- FY19 Hg Vapor Tubes
- FY19 NH3 Vapor Tubes
- WP-301 PT Study

30-Day Forecast

- AP-106 Grab Sample
- AP-102 Grab Sample
- AN-101 Grab Sample
- A-AX Focus Area 2
- AP-106 Repurposing Grab
- A-104 Grab (2019-10)
- LERF Plastic Debris
- AX-102 Grab Sample
- BePAT 52
- FY19 Hg Vapor Tubes
- FY19 NH3 Vapor Tubes
- ERA Quick Response 012920C
- ERA Quick Response 012920E
- ERA Quick Response 020620B
- WP-301 PT Study