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.
January 15, 2020
8:00 a.m. – 9:00 a.m.

DOE: R. Valle 02/27/2020

Richard Valle Date

ECOLOGY: K. Elsethagen 3/2/20

Kelly Elsethagen Date

222-S PMM MEETING MINUTES
January 15, 2020

Meeting Attendees:

- See Attachment 1 for the list of attendees.
- Richard Valle was introduced. He 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 November have been approved and have been submitted into 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 confirmed completion of the testing of the 219-S PTRAEU exhauster in accordance with Department of Health Air Operating Permit.
- Calibrations of the 296-S-16 (219-S) and 296-S-21 (222-S main) stack sampling equipment was also completed to meet Department of Health AOP.
- Completed chemical addition and characterization sampling for 219-S tank 102 in preparation for transfer to Tank Farms.
- The 219-S Integrity Assessment draft report is currently undergoing development by the IQRPE and should be released in June. The final report will be submitted to Ecology as part of the 222-S permit application.
- The 222-S fire alarm system upgrade will replace anything electrical, including the alarm panels, and radio transmitters. The current system will remain on-line until the new system is ready for full operation, there may be a short period of fire watch during the switch over.
- There will be Lab Complex Office building upgrade which will be similar to the 2713-S building. Design contract has been awarded and is underway.
- GC/MS with Thermal Desorption Unit (2) has been install already.
- Waste Services Melanie Meyers provided information regarding the waste shipments. No new updates with containers.
- Lastly, WHL provided input on the accreditation status. Due to a fire in 4TUV in May 2019, WHL lost TDU capabilities which resulted in suspension of TDU accreditation. WHL intends to regain TDU accreditation upon restoration of TDU capabilities.
- Currently expecting an estimated 44,000 analyses in FY20 where the normal amount of analyses is 14,000 annually.
- A significant increase in analytical workload has raised management concerns regarding worker safety. WHL has heightened the focus on the safety and wellbeing of employees

by ensuring deliberate, safe performance of work activities. Cumulatively, this has negatively impacted turnaround time performance.

- In the 30-Day Forecast for WHL AN-107 CORE sample and the 219S Tk-102 Pre Sample have been completed.
- Due to number validations, Tony Scott submitted updated information via email on 01/17/2020.

Next Meeting:

- March 4th, 2020 @ 8 a.m. at Department of Ecology (3100 Port of Benton Blvd).

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

January 15, 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 RCRA TSD Permit Issues
6. 222-S Laboratory
    a. Operations Report
    b. Analytical Report
7. Review of New Action Items

Activities of Note	
Operational Activities	**Date**
Completed replacement of the HVAC UPS system.	11/16/19
Completed testing of the 219-S PTRAEU exhauster.	11/19/19
Replaced HEPA filters for counting room air recirculation system.	11/23/19
Performed calibrations of the 296-S-16 (219-S) stack sampling equipment.	11/26/19
Performed calibrations of the 296-S-21 (222-S main) stack sampling equipment.	12/12/19
Completed chemical addition and characterization sampling of 219-S tank 102	12/16/19
Installed 2 new GC/MS in lab 4-TUV	12/17/19
Replaced the 11-A hotcell inlet filter	1/11/20

FY2020 222-S Laboratory Upgrades	
222-S Fire Alarm System upgrade: Contract for construction project has been awarded and work is scheduled to start in February.	Status as of 1/14/2019
Lab Complex Office building upgrade: Design is scheduled to be complete by 9/30/2020.	

FY 2020 Analytical Equipment

- GC/MS with Thermal Desorption Unit (2). Scheduled for January 2020.
- Gamma Energy Analyzer. Scheduled for May 2020.
- Gas Pycnometer. Scheduled for March 2020.
- GC/MS for Semi-Volatile Organic Analysis. Complete.
- GC-ECD for Pesticide/PCB Analysis. Complete

Waste Shipments		
Waste Type	***Containers Shipped from 222S (October - December)***	***Receiving Facility***
LLW	29 drums	PFNW
DW	22 various sizes	Stericycle
MW	10-55 gal drums 1-5X5X9 box	PFNW
TRU	0	NA
Recycle	7 various sizes	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 – December 31, 2019

Events of Interest

The number of analysis completed by WHL remained high for the first quarter of fiscal year 2020, 11,137 analysis completed as compared to 2,662 for the same period in FY 2019.

Contract Performance Metrics

Delivery

Deliverable metric for FY 2020 is 95.8%

Monthly Completed Deliverable Packages													
	Oct	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sept**	**TOTAL**
FY 2020	34	31	54										119

QA Evaluations/Proficiency Tests:

Analytical Performance Evaluation for FY 2020 is 92%.

Report Date	Study	Reported	Correct	Study%
October 2019	WP-295	110	93	84.55
	ERA 082919B – Soil VOAs	47	47	100.0
	ERA 081319D – Br, U-Total	2	2	100.00
November 2019	IHPAT 2019	12	10	83.3
	MRAD-31	29	29	100.00
	101719E (WP-295)	47	45	95.7
December 2019	Soil 018	58	58	100.00
	MAPEP-41	16	12	75.0
	BePAT 51	4	4	100.00
	QR111319B	2	1	50

Report Date	Study	Reported	Correct	Study%
FY 2020 TOTAL		**327**	**301**	**92.0**

Holding Time Performance:

The holding times metric for FY 2020 is currently at 97.8%.

PEMP Holding Time Metric for FY 2020 Status as of 01/12/2020				
Month Performed	Total	Met	Missed	% Met
October	257	250	7	97.3%
November	242	234	8	96.7%
December	422	417	5	98.8%
1st Quarter	921	901	20	97.8%
FY 2020	921	901	20	97.8%

Projects in Progress

- AY-101 CORE
- AN-107 CORE
- A-105 Grab
- A-104 Grab
- AW-102 Grab
- AN-102 Grab
- AZ-301 Catch Tank
- EW-151 Catch Tank
- TK102 POST Sample
- AW-103 Grab
- AP-106 Grab
- A-AX Focus
- 105-KW Settled Solids
- LERF Basin 44 Sample
- 2018 AW105 SPC
- FY19 Hg Vapor Tubes
- FY19 NH3 Vapor Tubes

30-Day Forecast

- AN-107 CORE Sample
- AP-102 Grab Sample
- AN-101 Grab Sample
- A-AX Focus
- AP-106 Repurposing Grab
- Caustic Hydrolysis (WTP effluent)
- 219S Tk-102 Pre Sample
- FY19 NH3 Vapor Tubes
- FY19 Hg Vapor Tubes

222-S Project Manager's Meeting and Miscellaneous Laboratory Issues (TSD: TS-2-1; Operating Unit 8)

Meeting held on January 15, 2020

Attendance Roster

Name	Affiliation	Contact
Richard Vale	ORP Programs	509-376-7256
Ken Chapin	WRPS	(509) 373-4751
Kelly Elsethagen	ECY	(509) 372-7923
Melanie Myers	WRPS	509 373 6865
Keith Greenough	WRPS	509 373 9541
Maria Lopez	WRPS	509-372-0303
Tony Scott	WHC	509-373-2129
Jack Davis	ECY	509 372 7930
Eric Van Mason	WRPS	509-373-7438

222-S Project Manager's Meeting and Miscellaneous Laboratory Issues (TSD: TS-2-1; Operating Unit 8)

Meeting held on January 15, 2020

Name	***Affiliation***	***Attended? (X = Yes)***
Elis Eberlein	ECOLOGY	
Kelly Elsethagen	ECOLOGY	
Ed Soto	ECOLOGY	
Jeff Cheadle	ORP	
Chris Kemp	ORP	
Bryan Trimberger	ORP	
Joe Sondag	ORP	
Rana Evans	ORP	
Eric Van Mason	WRPS	
Dave Moser	WRPS	
Keith Greenough	WRPS	
Glen Triner	WRPS	
Doug Swenson	WRPS	
Melanie Myers	WRPS	
Tony Scott	WHL	
Susan Kon	WHL	
OTHERS:		
Holly Bowers	WRPS	
Maria Lopez	WRPS	