

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.
November 13, 2019
8:00 am – 9:00 a.m.

DOE: Richard J. Valle 01/16/2020
Richard Valle Date

ECOLOGY: K. Elsethagen 1/23/20
Kelly Elsethagen Date

MEETING MINUTES

Meeting Attendees:

- See Attachment 1 for the list of attendees.
- Holly Bowers was introduced. She is currently the interim Regulatory Interface manager filling in for Eric Van Mason who has taken a different position within WRPS.

Agreements, Commitments, and Action Items:

- Meeting minutes from September have not been approved yet. Waiting on signatures to be finalized.

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 that the field work is complete for the visual inspection of 219-S in-cell piping, equipment and internal video of tanks 101, 102, and 104 for the Integrity Assessment.
- The completed maintenance for 219-S tank level chart recorders and memory card replacement occur every six months.
- Completion of cleaning the secondary containment trays inside the DMWSAs also included cleaning underneath grating.
- Kelly Elsethagen asked how spill pallets are being used. Eric Van Mason clarified that spill pallets are used as needed for segregation of incompatible waste types and not for housekeeping. If there is an operational need to store wastes that are incompatible with each other in the same DMWSA bay, a spill pallet could be used to provide segregation, so that, in the unlikely event waste were to leak from each type of incompatible waste container, it would not come in the DMWSA bay secondary containment. There is one DMWSA storage area typically assigned for non rad.
- The 219-S Integrity Assessment draft report is currently undergoing development by the IQRPE, 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 work will start next year as shift work due to the intrusiveness of the tasks needed to be completed. 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.
- Waste Services Marc Furniss, who was filling in for Melanie Meyers provided information regarding the waste shipments. Additionally, there is one container that has been held for over a year due to facility changes (DDSI- Tennessee, they declined shipment). 222S is pursuing other disposal paths, as well as DDSI may be able to, in the near future, receive the container containing absorbed gasoline. Kelly Elsethagen

reminded meeting participants any mixed waste in storage greater than one year will need to be included in the annual Land Disposal Restrictions Report.

- Lastly, WHL was not present to provide information on the documentation provided. Kelly Elsethagen asked to get updates on the status of lab accreditation from WHL.

Next Meeting:

- January 15th, 2020 @ 8 a.m. at Department of Ecology (3100 Port of Benton Blvd).

Attachments

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
Department of Ecology, 3100 Port of Benton, Richland, WA 99354
RFO - #3A Snake River

November 13th, 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

<i>Activities of Note</i>	
Operational Activities	Date
Completed replacement of all portable fire extinguishers that were due for hydrostatic pressure testing.	9/12/19
Completed transfer of waste stored in 219-S tank 102 to 241-SY-101 DST.	9/14/19
Department of Ecology conducted a Dangerous waste inspection.	9/25/19
Completed visual inspection of 219-S in-cell piping, equipment and internal video of tanks 101, 102, and 104.	9/25/19
Completed visual inspections of waste transfer piping in T-4, T-7 and T-8 tunnels.	10/02/19
Completed 296-S-16 stack flow and HEPA filter testing for 219-S tank system.	10/02/19
Completed annual inspection of exhaust fan #4.	10/9/19
Completed 6 month maintenance interval on EF-4 diesel engine.	10/9/19
Completed 296-S-21 stack flow testing for 222-S main stack.	10/10/19
Completed semi-annual primary exhaust fan maintenance on EF-1, 2 and 3.	10/16/19
Fire System Maintenance performed cold weather protection preventative maintenance on 222-S fire systems.	10/15/19
Completed replacement of battery charger for EF-4 diesel engine.	10/29/19
Completed maintenance for 219-S tank level chart recorders and memory card replacement	11/4/19
Completed calibration of 219-S tank level pressure transmitters	11/5/19
Completed Quarterly PAX speaker testing	11/08/19
Completed cleaning of secondary containment trays inside the DMWSAs	11/08/19

<i>FY2020 222-S Laboratory Upgrades</i>	
219-S Integrity Assessment: Field work for the Integrity Assessment has been completed and results provided to the IQRPE	Status as of 11/13/2019
222-S Fire Alarm System upgrade: Contract for construction project is currently out for bid.	
Lab Complex Office building upgrade: Design is scheduled to be complete by 9/30/2020.	

<i>FY 2020 Analytical Equipment</i>
<ul style="list-style-type: none"> • GC/MS with Thermal Desorption Unit (2). Scheduled for December 2019. • Gamma Energy Analyzer. Scheduled for January 2020. • Gas Pycnometer. Scheduled for February 2020. • GC/MS for Semi-Volatile Organic Analysis. Complete. • GC-ECD for Pesticide/PCB Analysis. Complete

Waste Shipments		
<i>Waste Type</i>	<i>Containers Shipped from 222S (09/05/19 –11/07/19)</i>	<i>Receiving Facility</i>
LLW	8	PFNW and ERDF
DW	6	Stericycle
MW	6	Perma-Fix Northwest/DSSI/ERDF
TRU	0	CWC
Recycle Lead	0	Toxco
Recycle	8	CCRC

LLW: Low-level radioactive waste

DW: Dangerous Waste (non-radioactive Dangerous Waste)

MW: Mixed Waste

TRU: Transuranic Waste

98.3Wastren Advantage, Inc. Hanford Laboratory (WHL)

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

Events of Interest

The number of analysis being completed by WHL continued to increase. Eighty-three percent of the analyses completed in FY 2019 were accomplished in the last six months of the year; this elevated sample receipt trend continued in October 2019.

Contract Performance Metrics

Time Deliverables

Deliverable metric for FY 2019 is 98.3%

Monthly Completed Deliverable Packages													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	TOTAL
FY 2019	31	20	25	21	24	32	45	56	37	42	40	37	410

Deliverable metric for FY 2020 is 97.1%

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

QA Evaluations/Proficiency Tests:

Analytical Performance Evaluation for FY 2019 was 95.9%.

PROFICIENCY TESTING- STUDY SUMMARY RESULTS- FY 2019			
Report Date	Reported	Correct	Study %
Total - Sept 2019	0	0	N/A
Total- YTD	686	658	95.9

Analytical Performance Evaluation for FY 2020 is 89.31%.

Report Date	Study	Reported	Correct	Study%
10/1/2019	WP-295	110	93	84.55
10/3/2019	ERA 082919B- Soil VOAs	47	47	100.00
10/3/2019	ERA 082319D- Br, U-total	2	2	100.00
Total October FY 2020		159	142	89.31

Holding Time Performance:

The holding times metric for FY 2019 was 99.2%

PEMP Holding Time Metric for FY 2019				
Status as of 10/02/2019				
Month Performed	Total	Met	Missed	%Met
July	511	507	4	99.2%
August	554	554	0	100.0%
September	360	360	0	100%
4 th Quarter	1425	1421	4	99.7%
FY 2019	4479	4441	38	99.2%

The holding times metric for FY 2020 is currently at 99.6%.

PEMP Holding Time Metric for FY 2020				
Status as of 11/06/2019				
Month Performed	Total	Met	Missed	% Met
October	236	235	1	99.6%
1st Quarter	236	235	1	99.6%
FY 2020	236	235	1	99.6%

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
- 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
- AN-101 Grab Sample
- A-AX Focus
- AP-106 Repurposing Grab
- MAPEP 41 Samples
- MRAD 31 Samples
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- Caustic Hydrolysis (WTP effluent)
- 219S Tk-102 Pre Sample
- FY19 NH3 Vapor Tubes
- FY19 Hg Vapor Tubes