Meeting Minute Approval Sheet

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

Via Microsoft Teams
November 18th, 2020
8:00 a.m. – 9:00 a.m.

DOE: RICHARD VALLE Digitally signed by RICHARD VALLE Date: 2021.01.13 10:25:31 -08'00'

Richard Valle Date

ECOLOGY: Digitally signed by Elsethagen, Kelly (ECY) Date: 2021.01.13 13:07:23 -08'00'

Kelly Elsethagen Date

222-S PMM MEETING MINUTES
November 18th, 2020

Meeting Attendees:

- Due to telework the attendance roster was not provided to the attendees.
- The following attendees were present for this meeting:
    - Kelly Elsethagen – Ecology
    - Jackson Davis - Ecology
    - Richard Valle – ORP
    - Jeff Cheadle – ORP
    - Sue Kon – WHL
    - Ken Chapin – WRPS
    - Keith Greenough – WRPS
    - Maria Lopez – WRPS
    - Jay Warwick – WRPS
    - Robin Varljen – WRPS

Agreements, Commitments, and Action Items:

- September's meeting minutes will be finalized and submitted into the AR.
- No previous commitments.

222-S Laboratory Operations and Analytical Status:

- Operational and analytical reports are attached to these minutes.
- Keith Greenough informed the group of the completed operational activities occurring at the Lab along with 219-S tank operations.
- Completed transfer of lab waste to 219-S through 2-B sink which occurs at least monthly.
- Completed bearing inspections on 222-S primary exhaust fans.
- The monthly running of 219-S tank agitators run for a few minutes.
- Completed 6 month maintenance on EF-4 diesel engine to comply with emission permit requirements.
- Completion testing of the 219-S PTRAEU filter. This exhauster is used during maintenance in 219-S cells for radiological control.
- 222-S Fire Alarm System Upgrade is scheduled to complete demolition activities the first week of December.
- Acceptance Test Procedure (ATP) consists of activating every device in the building one at time to ensure the alarm signals to Hanford fire department are working properly.
- Office building has bid out to contractors and expecting to receive them by November 23, 2020 to begin site prep.
- Waste Management was not present. Will request information to provide to Ecology.
- Sue Kon from WHL presented as Tony Scott is no longer with WHL.
- Attached is the 222-S Quarterly Report provided by WHL.

- Proficiency tests (PTs) are increasing along with having a 98% overall for 2020.

Next Meeting:

January 13, 2021 on Teams at 8 a.m.

Action Items for Next Meeting:

- PT inquiry from Ecology. Sue will be summarizing any changes by WHL regarding PTs.
- Maria will email Melanie Meyers with Waste Management to provide discussion on her portion that she submitted.

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
Via TEAMs

November 18th, 2020

Agenda

1. Introductions
2. Approval of Previous Meeting Minutes:
    - Waiting on Ecology to approve edits for September
3. Agreements, Commitments, and Status of Action Items
    - None
4. 222-S TSD or Miscellaneous Issues
5. 222-S Laboratory - Attached
    - Operations Report
    - Analytical Report
6. Review of New Action Items

Activities of Note	
Operational Activities	**Date**
Completed transfer of lab waste to 219-S through 2-B sink.	9/22/2020
Performed calibration of the 219-S tank level indication.	9/30/2020
Completed semi-annual preventative maintence on 222-S primary exhaust fans.	10/7/2020
Completed 296-S-21 (222-S main) stack flow testing.	10/7/2020
Performed calibration of 296-S-21 stack sampling instrumentation.	10/7/2020
Completed monthly running of 219-S tank agitators	10/12/2020
Performed monthly testing of 219-S leak detection alarms	10/13/2020
Performed calibration of 222-SC HEPA filter differential pressure instruments.	10/15/2020
Completed sampling of 207-SL liquid retention basin for TEDF compliance acceptance criteria verification.	10/19/2020
Hanford Fire completed cold weather protection maintenance of dry risers.	10/19/2020
Completed transfer of lab waste to 219-S through 2-B sink.	10/21/2020
Completed six month preventative maintenance on EF-4 diesel engine.	10/21/2020
Hanford Fire completed annual portable fire extinguisher inspections.	10/23/2020
Completed testing of the 219-S PTRAEU filter.	11/3/2020

FY2020 222-S Laboratory Upgrades	
222-S Fire Alarm System upgrade: Construction continues on the fire alarm system upgrade. Testing of the new system is underway.	Status as of 11/18/2020
Lab Complex Office building upgrade: Building design is obtaining final approvals and PE stamp. Site prep design is complete and construction project is out for bids.	

FY 2020 Analytical Equipment
• Confocal Microscope (Complete) • GC/MS with Thermal Desorption Unit (Complete) • Gamma Energy Analyzer. Scheduled for Phase 3 resumption of work. • Gas Pycnometer. Scheduled for Phase 3 resumption of work. • GC/MS for Semi-Volatile Organic Analysis. (Complete) • GC-ECD for Pesticide/PCB Analysis (Complete) • X-ray Microtomograph. Scheduled for Phase 3 resumption of work.

Waste Shipments		
Waste Type	***Containers Shipped from 222S***	***Receiving Facility***
LLW	12	PFNW
DW	7	CLEAN HARBOR/DEER TRAIL
MW	3	PFNW
TRU	0	NA
Recycle	5	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 – October 31, 2020

Events of Interest

WHL returned all non-portable workers in active status to work September 30, 2020. All in-house training that had expired during the partial stop work was completed in a timely manner. Prior to the start of Phase 2 laboratory equipment was brought on-line, validated, and calibrated to minimize delays in analytical operations

Contract Performance Metrics

Delivery

Deliverable metric for FY 2020 is 97.6%

Monthly Completed Deliverable Packages													
	Oct	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sept**	**TOTAL**
FY 2020	34	31	54	36	32	33	2	1	1	4	11	16	279
FY 2021	44												

QA Evaluations/Proficiency Tests:

Analytical Performance Evaluation for FY 2020 is 97.6%.

PROFICIENCY TESTING- STUDY SUMMARY: FY 2020				
Report Period	**Study**	**Reported**	**Correct**	**Study%**
Jul- 2020		0	0	N/A
Aug- 2020		16	16	100.0
Sept- 2020		52	52	100.0
FY 2020- TOTAL to DATE		418	408	**97.6**

Analytical Performance Evaluation for FY 2021 is 98.6

PROFICIENCY TESTING- STUDY SUMMARY: October FY 2020				
Report Date	**Study**	**Reported**	**Correct**	**Study%**
10/08/2020	Quick Turn 082420J	63	61	96.8
10/16/2020	1-2020 (I-129)	1	1	100.0
10/17/2020	2-2020 (Tc-99)	1	0	0.0
10/26/2020	Air PT-040	16	16	100.0
10/27/2020	WP-308	103	103	100.0
10/29/2020	MRAD-32	36	36	100.0
Total October		220	217	98.6
FY 2021- TOTAL to DATE		**220**	**217**	**98.6**

Holding Time Performance:

The holding times metric for FY 2020 is 98.0%.

PEMP Holding Time Metric for FY 2020 Status as of 10/4/2020				
Month Performed	Total	Met	Missed	% Met
July	15	15	0	100%
August	41	41	0	100%
September	57	57	0	100%
4th Quarter	**113**	**113**	**0**	**100%**
FY 2020	2414	2365	49	98.0%

The holding times metric for FY 2021 is 98.9%.

PEMP Holding Time Metric for FY 2021 Status as of 11/09/2020				
Month Performed	Total	Met	Missed	% Met
October	369	365	4	98.9%
1st Quarter	**369**	**365**	**4**	**98.9%**
FY 2021	**369**	**365**	**4**	**98.9%**

Projects in Progress

AN-106 Core
Vadose Samples
A-104 Grab
A-AX Focus Area 1
AN-101 Grab
AW-105 SPC
AZ-101 Grab
AY-101

30-Day Forecast

AX-102 Grab
2019 AN-107 Core
2019 AY-101
2019 AY 2010 Core APD
Continue HG/NH3 Vapor Tubes
AN-106 Core