

Meeting Minute Approval Sheet

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

WRPS Offices, 2505 Garlick, Richland, WA

March 13, 2019

9:00 am – 10:00 am

DOE: Jeff Cheadle 5/15/2019
Jeff Cheadle Date

Ecology: Kelly Elsethagen 5/22/2019
Kelly Elsethagen Date

MEETING MINUTES

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Meeting Attendees:

- See attachment 1 for the list of attendees.

Agreements, Commitments, and Action Items:

- Previous minutes approved signed and submitted into the AR.

222-S TSD or Miscellaneous Issues:

- None

222-S RCRA PERMIT Issues:

- Part A redone: in process to submit the ECO and is moving forward per Rana Evans, DOE.

222-S Laboratory Operations and Analytical Status:

- Keith Greenough, WRPS, discussed the operational activities performed on the 219-S tank system. The flushing of 219-S cells A and B transfer lines and traps were completed to meet their 6-month flush.
- Completed removal of steam condensate tank in preparation of sanitary water air gap installation - as directed by MSA letter.
- Air Gap for potable water line: drawings will be going into Smart Plant on 3.13.19.
- 219- S Integrity Assessment: No new changes. Tank 102 leak check still to complete and performance of visual inspections. Camera will be inserted through the tank risers to view inside the tanks.
- 222-S Fire Alarm System upgrade: 60% design is complete.
- Analytical Equipment: is in procurement and work order process is in development.
- Jacob Johnson, WRPS, presented on Waste Shipments: there were two shipments this week one at Stericycle and CCRC.

Operational and analytical reports are attached to these minutes.

Tony Scott, VNSFS, presented on Proficiency Testing and noted that on 1/28/19 they missed three analytes due to calculation error to dilution. Projects in progress are to finish analyzing backlogs for Furan Vapor Tubes. They also received 50 RAD screens when they normally get three. The 30-day forecast consist of AW-103 and AN-107 Grab samples in late April. AY-101 core samples will be done in May. Vadose Zone Sampling, NH₃ & Hg Vapor Tubes, and Furan Vapor Tubes will be an ongoing project.

Ed Soto, Ecology, asked Tony Scott, VNSFS, regarding the PT study that was missed:

Were corrective actions taken?

- Yes.
- What was determined by the corrective action process?
 - This issue was viewed as an isolated incident since accuracy/precision has been exceptional over the past two years (within 1 – 2%, see attachment). Numerous dilutions were performed for this study, and the analyst was distracted during the analysis process. It was determined that fewer different dilutions would be performed in the future, and the employee was reminded of the need to focus and eliminate all distractions when performing critical tasks; therefore, minimizing the potential for confusion/mistakes.
- Are any methods currently under provisional accreditation? Which?
 - No.
- When is the next PT for these analytes (if no date is scheduled, what is the deadline to remain accredited)?
 - The next round of WPs is scheduled for July 2019

Action to Tony Scott, VNSFS, to update Ed Soto, Ecology, on PT study at next meeting.

Next Meeting:

May 15th, 2019

9:00 a.m. -10 a.m.

Location: CR - 2505GARLICK/1127/RCHN

Attachments - 1

Attachment 1

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
WRPS Offices
2505 Garlick, Richland, WA

March 13, 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 RCRA TSD Permit Issues
6. 222-S Laboratory
 - 6.1. Operations Report
 - 6.2. Analytical Report
7. Review of New Action Items

Meeting held on March 13, 2019

Attendance Roster

Name	Affiliation	Contact
Ken Chapin	WRPS	373-4751
Jay Warwick	WRPS	373-5124
Keith Greenough	WRPS	373-9541
Jacob Johnson	WRPS	373-3847
Tony Scott	VNSFS	373-2129
Jack Davis	BCY	372-7930
Kelly Elsethagen	ECU	372-7923
Ed Soto	ECOLOGY	372-7933
Rana Evans	ORP	376-7889

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Attendance Roster

Name	Affiliation	Attended?(X=Yes)
Elis Eberlein	Ecology	
Kelly Elsethagen	Ecology	X
Ed Soto	Ecology	X
Jeff Cheadle	ORP	
Chris Kemp	ORP	
Bryan Trimmerger	ORP	
Joe Sondag	ORP	
Rana Evans	ORP	
Eric Van Mason	WRPS	
Dave Moser	WRPS	
Keith Greenough	WRPS	Y
Glen Triner	WRPS	
Doug Swenson	WRPS	
Jacob Johnson	WRPS	X
Tony Scott	WHL	X
Susan Kon	WHL	
OTHERS:		
Maria Lopez	WRPS	X
Lucinda Borneman	WRPS	
Jeff Voogd	WRPS	
Ken Chapin	WRPS	X
JAY Warwide	WRPS	X
JACK DAVIS	ECY	X
Rana Evans	ORP	X

Activities of Note	
Operational Activities	Date
Completed 11-A electrical outage to perform cleaning, inspection and minor repairs of electrical equipment.	1/15/19
Completed calibration of 296-S-21 stack sampling instrumentation.	1/25/19
Completed testing of 219-S water back flow preventer.	1/28/19
Completed 1E-1 and 1-F Hotcell air flow testing.	2/7/19
Completed flushing of 219-S cells A and B transfer lines and traps.	2/20/19
Completed removal of steam condensate tank in preparation of sanitary water air gap installation.	2/28/19
Completed quarterly Air Handling Unit 1 through 4 maintenance.	3/5/19

FY2019 222-S Laboratory Upgrades	
New Non-Rad Standards Laboratory: Currently evaluating bids for design and off site fabrication of a modular laboratory facility. Installation of modular lab is anticipated in FY-2020.	Status as of 03/13/2019
Air Gap for potable water line: Air gap installation is needed to separate process water from the potable system. MSA water purveyor has determined that existing back flow prevention is not sufficient. Completed 90% design reviews. Initiated demolition. Asbestos insulation abatement scheduled for March for removal of hot water heat exchanger. Air Gap installation is scheduled to complete by September 2019.	
219-S Integrity Assessment: Completed static pressure leak testing of 219-S tanks 101 and 104. Leak testing of tank 102 will be performed after sampling and chemical addition occurs. Visual inspection work packages are in planning. Field work for Integrity Assessment is scheduled to complete by December 2019.	
222-S Fire Alarm System upgrade: Initiated design for replacement of the 222-S fire detection system. Design is scheduled to complete in FY2019 and installation in FY2020.	

Analytical Equipment

FY 2019:

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

Waste Shipments

Waste Type	Containers Shipped from 222S (01-10-19–03/13/19)	Receiving Facility
LLW	13	PFNW and ERDF
DW	5	Stericycle
MW	3	Perma-Fix Northwest
TRU	0	CWC
Recycle	0	CCRC

LLW: Low-level radioactive waste

DW: Dangerous Waste (non-radioactive Dangerous Waste)

MW: Mixed Waste

TRU: Transuranic Waste

Contract Performance Metrics
Report on Time Deliverables

Deliverable metric for FY 2019 is 97.6%

Monthly Completed Deliverable Packages													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	TOTAL
FY 2019	32	21	26	21	25								125

QA Evaluations/Proficiency Tests:

Analytical Performance Evaluation for FY 2019 is 94.1%.

Proficiency Testing- Study Summary Results				
Report Date	Study	Reported	Correct	Study %
Total 1st Quarter		264	247	93.6
01/24/2019	WP121018Q	1	1	100
01/28/2019	WP-287	44	41	93.2
TOTAL- Jan 2019		45	42	93.3
02/15/2019	IHPAT 216	12	12	100
02/22/2019	AIR PT-30	16	16	100
TOTAL- Feb 2019		28	28	100
TOTAL-YTD		337	317	94.1

Holding Time Performance:

The holding times metric for FY 2019 is currently at 98.7%.

Holding Time Metric for FY 2019				
Status as of 03/05/2019				
Month Performed	Total	Met	Missed	% Met
October	114	114	0	100.0%
November	188	184	4	97.9%
December	177	172	5	97.2%
1st Quarter	479	470	9	98.1%
January	144	144	0	100.0%
February	77	77	0	100.0%
March	0	0	0	n/a
2nd Quarter	221	221	0	100.0%
FY 2019	700	691	9	98.7%

Projects in Progress

- Furan Vapor Tubes
- A-AX Focus Area
- A-105 Grab Samples
- Tank Farm Pump Oil
- 2018 AW105 SPC
- AP106 Corrosion Testing
- Double Salt Precipitate
- Vadose Group
- GEA RAD Screens

30-Day Forecast

- GEA RAD Screens
- SY-102 Grab Samples
- AW-103 Grab Samples
- AN-107 Grab Samples
- AY-101 CORE Samples
- VADOSE Zone Sampling
- NH3 & Hg Vapor Tubes
- FURAN Vapor Tubes

222S TSD TPA PMM
Action Items and Parking Lot Items
03/13/19 STATUS

<i><u>ACTION ITEMS</u></i>			
#	Action	Due Date	Status
1	Tony Scott will update Ed Soto on PT study next meeting	5/15/19	
2			
3			