

**222-S Project Managers Meeting & Misc. Lab Issues
(TSD: TS-2-1)**

2440 Stevens Center, Room 1600

October 21, 2004

9:30 – 10:15 p.m.

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DOE: feb AJ Stevens 1-13-05
Andrew Stevens Date

ECOLOGY: Rick Bond 1-13-05
Rick Bond Date

MEETING MINUTES

222-S Project Manager's Meeting and Miscellaneous Lab Issues (TSD:TS-2-1)

10/21/04

Page 1 of 1

Meeting Attendees:

Andrew Stevens, DOE ORP
Tracy Gao, Ecology
Don Hardy, CH2M HILL

Rick Bond, Ecology
Barbara Hill, CH2M HILL
Noe'l Smith-Jackson, Ecology

Introduction:

Mr. Andy Stevens, ORP, called the meeting to order at 9:35 a.m.

Approval of Previous Meeting Minutes:

RL and Ecology approved the September 2004, meeting minutes.

Status of Action Items:

No action items.

222-S Laboratory TSD Issues:

Planning for repairs to the Tank 101 transfer system are in progress. This tank receives waste primarily from the 11-A Hot Cells. Some restrictions were put in place to control volume entering the Tank 101 until repairs can be completed (January 2005 estimated completion date).

222-S Laboratory Operations:

Ms. Barb Hill and Mr. Don Hardy, CH2M HILL, presented the 222-S Analytical and Operations reports, respectively. The reports are attached. In addition, Mr. Stevens and Ms. Hill provided further discussion in response to Ecology questions about the 244 AR Thermocouple event compensatory actions that were taken throughout CH2M HILL and about di-methyl mercury monitoring. Ms. Hill took an action to report on what limit of concern was being used for di-methyl mercury. This information was obtained immediately after the meeting and is listed under action items below.

Miscellaneous Issues

Mr. Andy Stevens relayed that the Small Business Contract to run the 222-S Laboratory analytical production is moving forward and is expected to be awarded in the near future.

Ms. Smith-Jackson reported that she attended the HASQARD meeting run by Dr. Mark Marcus and it was an excellent meeting.

The November meeting has been cancelled. The December meeting will occur as scheduled on December 9, 2004.

Action Item:

Di-methyl mercury, listed as a compound of potential concern, is being compared to the *NIOSH* exposure limit for organic mercury alkyl compounds of 0.1 mg/m^3 ; ST 0.03 mg/m^3 (skin).

Next Meeting:

December 9, 2004

2440 Stevens, room 1600

9:30 – 10:00 a.m.

222-S Project Managers Meeting & Misc. Lab Issues (TSD: TS-2-1)
10/21/04

Attachment 1
List of Attendees
Agenda
222-S Lab Operations Report
Action Items
Other Handouts

222-S Project Managers Meeting & Misc. Lab Issues
2440 Stevens, Room 1600
October 21, 2004
9:30 – 10:15 a.m.

Agenda

1. Introductions
2. Approval of Previous Meeting Minutes
3. Status of Action Items
4. 222-S TSD Issues
5. 222-S Laboratory
 - 5.1. Operational Report
6. Misc. Issues
7. Review of New Action Items
8. Next Meeting is December 9, 2004. As agreed last month, the October meeting was moved a week, the November meeting is cancelled, the December meeting will be held on the second Thursday.

MONTHLY ANALYTICAL REPORT
222-S Laboratory
October 2004

222-S laboratory completed the set up to perform Dimethyl Mercury tube drying as a back up to WSCF for Double Shell Tank and Single Shell Tank vapor analysis.

All field work supervisors are going through written examination and oral evaluation as compensatory action from the thermocouple incident. Five analytical field work supervisors have completed the compensatory actions, including the oral evaluation.

222-S Laboratory continued training on new procedures for Solid Phase Extraction of PCBs in liquid samples.

MONTHLY OPERATIONS REPORT
222-S Laboratory
October 2004

Transfer of waste in Tank 102 of the 219-S Tank System is on schedule for an early December transfer to the Double Shell Tank System.

As was previously reported to Ecology, the system to transfer waste from Tank 101 to 102 in the 219-S Tank System has experienced multiple failures. The 219-S transfer pump, which transfers waste from Tank 101 to Tank 102, has failed with a ruptured diaphragm, the agitator in Tank 101 has failed, and Sump Pump #6 is inoperable. Planning for the repairs have started and are targeted for completion in January 2005. Tank 101 receives waste primarily from the 11-A Hot Cells.

Acceptance testing for the 222-S fire system upgrade was completed on October 18, 2004 with no unresolved issues and work is on schedule for an October completion. Work in the counting room to replaced the Halon fire suppression system with a water sprinkler system, and installed a fire suppression system in the tunnels, where there was no previous protection.

All field work supervisors are going through written examination and oral evaluation as compensatory action from the DST thermocouple incident. Ten field work supervisors have completed the compensatory actions, including the oral evaluation. Completion is a prerequisite for supervising Medium or High Risk radiological activities within Analytical Technical Services.

Waste:

The LBL Samples that had the potential to be more reactive than initially anticipated have been stabilized. The stabilization proceeded smoothly and without incident. The peroxide levels in the samples tested lower than expected, never exceeding 30 ppm.

SRNL liquid treatability study residue returns were received on 9/29/04. The shipment consisted of 48 hedgehogs and 7 lab-packed drums of lower activity liquid residues. The liquid residues contained in hedgehogs were transferred to the 219-S Tank System. The lab-packed liquid residues are being stored in the Dangerous and Mixed Waste Storage Area (DMWSA) TSD until they can be transferred to the 219-S Tank System.

Planning has been re-started on the receipt of treatability study waste which is currently stored T Plant and PECoS. All of the waste is destined for transfer to the 219-S Tank System.

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Subject: 222-S PROJECT MANAGERS' MEETING AND MISCELLANEOUS LAB ISSUES
(TSD: TS-2-1), OCTOBER 2004

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		Correspondence Control	A3-01	X
		<u>CH2M HILL</u>		
		Administrative Record	H6-08	X
		H. L. Anastos	T6-12	X
<u>LEB</u>	<u>2/9/05</u>	L. E. Borneman	T6-16	X
		D. B. Hardy	T6-14	X
		B. R. Hill	T6-03	X
		M. N. Jarayssi	H6-03	X
		P. C. Miller	R1-51	X
		K. S. Tollefson	R3-26	X
		222-S Regulatory File	T6-16	X
		LEB File/LB	T6-16	X
		<u>U.S. Department of Energy</u>		
		<u>Office of River Protection</u>		
		R. W. Russell	H6-60	X
		A. J. Stevens	H6-60	X
		<u>Washington State Department of Ecology</u>		
		F. W. Bond	B5-18	X
		T. Z. Gao	B5-18	X
		N. Smith-Jackson	B5-18	X