

Meeting Minute Approval Sheet

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

2440 Stevens Center, Room 1600

August 12, 2006

9:30 – 10:15 p.m.

RECEIVED
JAN 09 2007
EDMC

Feb
DOE: *A Stevens* 9-14-06
Andrew Stevens Date

ECOLOGY: *Deborah Singleton* 9/14/06
Deborah Singleton Date

MEETING MINUTES

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

Meetings held on: 8/12/06

Page 1 of 2

Meeting Attendees:

See attached list of attendees.

Approval of Previous Meeting Minutes:

The meeting minutes from the June 8 meeting that covered the Project Managers' Meetings held on May 11 and June 8, 2006 were approved. There were no meetings held in April or July.

Action Items:

There are no open Action Items.

222-S Laboratory TSD, RCRA Permit, or Miscellaneous Issues:

The 222S Part B application is under development. DOE inquired of Ecology if changes were needed in these monthly TPA Project Manager's meetings. For example, would another format or forum be as effective in encouraging communication? Should the frequency of the meeting be re-evaluated – could it be held quarterly and still encourage effective communication? Ecology agreed to think about the proposed changes and address it next month.

222-S Laboratory Operations:

Both the Operations Report and Analytical Report were presented and are attached.

Next Meeting:

September 14, 2006

2440 Stevens, room 1600

9:30 – 10:00 a.m.

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

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

222-S Project Managers Meeting & Misc. Lab Issues

2440 Stevens, Room 1600

August 10, 2006

9:30 – 10:15 a.m.

Agenda

1. Introductions
2. Approval of Previous Meeting Minutes
3. Status of Action Items
4. 222-S TSD
5. 222-S Permit Issues
6. 222-S Laboratory
 - 6.1. Operational and Analytical Report
7. Misc. Issues
8. Review of New Action Items

MONTHLY STATUS REPORT
222-S Laboratory
OPERATIONS AND TECHNOLOGY DEVELOPMENT
July and August 2006

- 222S Main Stack Actions. Tests on the 222S main stack, the sampling probe, and sampling equipment are nearing completion. Preliminary results show that no structural modifications to the stack, the probe, or the sampling equipment are expected in order to comply with the NESHAP major stack standards.
- 222S Part B Application. The application remains on target for CH2M HILL certification by August 31, and ORP certification by September 29 to support a September 29 delivery date to Ecology.
- The 219S transfer to SY-101 occurred on July 20th. The P1 pump incurred a mechanical failure after transferring approximately 800 gallons of waste. Upon indication of failure, the transfer was stopped. There was no loss of containment for the waste. It was determined that the head assembly of the P1 pump needs to be replaced. The head assembly does not contact the waste, so the repair will not be on a contaminated component. The replacement and subsequent transfer from 219S to SY-101 is scheduled for late August.
- Earlier this spring, during trouble shooting on the 1F Hot Cell drain line, it became apparent that the final leak detector (LDT-4) prior to entry into the 219S Tank System was functional but alarmed miswired to the alarm panel (i.e., the leak detected by LDT4 alarmed as from LDT3). This condition was corrected, but additional corrective actions on all leak detectors were taken to identify if additional problems existed with these leak detectors. Trouble shooting of leak detectors LDT-3 & LDT-4 was conducted on August 7th and 8th. LDT-3 failed functional testing. LDT-3 provides leak detection for the ancillary space between the primary and secondary encasement of the waste drain line that services Room 2B, Hood 16, and Room 1J. The drain line has been placed on restriction until the detector can be repaired.
- 1F hot cell drain line repair. The work planning for the 1F hot cell became more challenging with the decision made to remove the line from the hot cell sink to below the location of the expected leak. This will require manned entry into the hot cell. Change out of the 1F hot cell primary HEPA filters was completed in July. The filter change is required in order to achieve required air flow rate through the hot cell to support the manned entry. Extensive clean out and decontamination of the hot cell will be performed. The 1F hot cell drain line work has been designated as "complex" under work management protocol; therefore an AJRG will need to be conducted. Work crews continue to plan the work package to determine the most effective and safest manner of accomplishing the repair.
- 222S installed equipment to begin evaluating fractional crystallization of tank waste. If this initial test is successful, additional testing will be conducted to determine treatment capability of the process.

MONTHLY ANALYTICAL REPORT**222-S Laboratory****July 2006**

- DOE assessed the ATL Quality Assurance and the Employee Concerns Programs in April. No issues were identified during the ECP assessment. Two findings and two observations were identified during the QA assessment. ATL is waiting for the final reports for both assessments. Corrective actions are in the planning stage for QA and will be finalized when the report is received. **Update:** ATL is still waiting for the final reports; however, corrective actions are being pursued to the extent possible.
- A new autotitrator for hydroxide analysis was requested by ATL and ordered by CH2M HILL. This instrument will replace an aging system. The new system was received; however, despite numerous discussions with the supplier regarding the issue, the system does not meet NRTL requirements. CH2M HILL procurement is working the issue. Update: the manufacturer has sent a replacement instrument that does meet the NRTL requirements.
- DOE assessed the ATL against the requirements of the DOE Computerized Accident/Injury Reporting System (CAIRS) and the record keeping requirements of OSHA Log Summary program in July. No findings or observations were identified during the assessment.
- The results of the last round of MAPEP-15 performance evaluation samples have been received. These samples included RCRA metal and radio-isotopic analyses. The combined Radiochemistry/Inorganic score received was 100% this round, identifying 59 analytes out of 59.
- Analytical lab work this reporting period consisted of working on AW-106 chemistry control samples. This project was completed and the report went out on time on 8/7/06. In support of CH2M HILL, ATL supported the receipt and transfer of sample returns from PNNL on 7/27/06. This work was considered medium risk radiological work due to the high level dose rates of the material, and creation of high radiological work areas in 11A. In support of the vapor program, all of the C-Farm vapor work has been completed, and we are currently supporting work on S-Farm samples. To date, we are working on event 6 samples out of a scheduled 15 sampling events. Work has started on a C-103 liquid sampling event for closure analyses. A total of 15 samples were delivered to the lab over 3 days (ending 8/8/06) to support this project. The TFC delivered the 2 samples with the most stringent holding times associated with them to the lab on the same day they were sampled. The critical holding times (pH, NO₂, NO₃) were met for this project.
- On 8/8/06, the power supplies for the (2) differential scanning calorimeters were received and installed, bringing the instruments back on-line.

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author
L. E. Borneman, 373-2821

Addressee
Distribution

Correspondence No.
CH2M-0603203

Subject: 222-S PROJECT MANAGERS' MEETING AND MISCELLANEOUS LAB ISSUES
(TSD: TS-2-1), August 2006

DISTRIBUTION

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	X
		CH2M Hill Correspondence Control	H6-08	X
		<u>CH2M HILL Hanford Group, Inc.</u>		
		Administrative Record	H6-08	X
<u>LEB</u>	<u>12/18/06</u>	L. E. Borneman	T6-03	X
		L. T. Blackford	R1-51	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
		J. A. Voogd	H6-03	X
		222-S Regulatory File	T6-03	X
		LEB File/LB		
		<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>		
		D. G. Singleton	H0-57	X
		N. Smith-Jackson	H0-57	X
		J. J. Wallace	H0-57	X
		<u>Analytical Technologies and Laboratories International, Inc.</u>		
		H. L. Anastos	T6-10	X
		J. G. Hwang	T6-10	X