

Meeting Minute Approval Sheet

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

2440 Stevens Center, Room 1600

January 12, 2006

9:30 - 10:15 p.m.

**RECEIVED**  
MAR 01 2006  
**EDMC**

DOE: AS aj stevens 2-9-06  
Andrew Stevens Date

ECOLOGY: Deborah Singleton 2/9/06  
Deborah Singleton Date

# MEETING MINUTES

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

1/12/06

Page 1 of 1

## Meeting Attendees:

Deborah Singleton, Ecology  
Noe'l Smith-Jackson, Ecology  
Andy Stevens, ORP  
Barb Hill, CH2M HILL  
Jou Hwang, ATLII

Jeanne Wallace, Ecology  
John Roberts, Ecology  
Lucinda Borneman, CH2M HILL  
Don Hardy, CH2M HILL

## Introduction and Approval of Previous Meeting Minutes:

The meeting was called to order at 9:30 a.m. The December 2005 meeting minutes were approved.

## Action Items:

**ACTION:** Ecology requested that a schedule to provide a certified copy of the 222-S Laboratory RCRA Permit application to Ecology by May 15, 2006.

**DUE DATE:** January 12, 2006

**STATUS:** It was agreed to keep this action open until the February meeting pending completion of actions agreed to in this month's meeting.

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

Ecology requested that ORP and CH2M HILL define the starting point of the 222-S RCRA permit and application. With changes in personnel and multiple revision numbers within the application, Ecology requested verification of the current revision number of the 222-S RCRA Part B application chapters and attachments.

**ACTION:** ORP, CH2M HILL, and Ecology meet and determine current configuration of the 222-S RCRA Part B application.

**DUE DATE:** January 19, 2006.

ORP and CH2M HILL requested a letter from Ecology stating what additional information they are requesting of ORP and CH2M HILL on the 222-S permit.

**ACTION:** Ecology to transmit a letter to ORP and CH2MHILL stating what additional information they are requesting of ORP and CH2M HILL on the 222-S RCRA permit.

**DUE DATE:** February 9, 2006

## 222-S Laboratory Operations:

Mr. Don Hardy of CH2M HILL presented the Operations Report. Dr. Jou Hwang of ATLII presented the Analytical Report. Both reports are attached.

## Next Meeting:

February 9, 2006

2440 Stevens, room 1600

9:30 – 10:00 a.m.

222-S Project Managers Meeting & Misc. Lab Issues (TSD: TS-2-1)  
1/12/06

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

222-S Laboratory  
 Project Managers' Meeting  
 2440 Stevens, room 1600  
 January 12, 2006  
 9:30- 10:15 a.m.

ATTENDEES<sup>o</sup>

Name	Affiliation	MSIN	Phone
Lucinda Borne man	CH2M		
John Murray	ATL		
Sandy Hill	CH2M		
Andy Steven	ORP		376.8235
John Roberts	ECY		
Abel Smith-Jackson	ecy		
Joanne Wallace	Ecy		372-7931
Deborah Singleton	Ecy		372-79-23
Don Hardy	-telecon		

222-S Project Managers Meeting & Misc. Lab Issues  
2440 Stevens, Room 1200  
January 12, 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**  
January 2006

- DOE approved, with State concurrence, for Double Shell Tank treatability study residues and samples to be returned to the 222-S Laboratory. SRNL Shipment 27 is expected to be received at the 222-S Laboratory late next week. Planning is on going for future shipments from BWXT and PNNL.
- Planning has started for 222-S Laboratory to receive the remaining DST Treatability Study waste that is being stored at T-Plant. These treatability studies were conducted at SRNL and the residues were returned to the Hanford Site in the late 1990's. Attempts to transfer the liquid residues to the 219-S Tank System were not successful and the material was shipped to T-Plant for waste storage where it has remained ever since. These four bulk liquid drums have high dose rates and will be sent to 222-S for transfer to the 219-S Tank System within FY2006.
- The leak detection system within the double encased line that drains the old hot cells into the 219-S Tank System alarmed during this reporting period. Liquid is not evident on the outside of the double contained line and there has been no leak outside the line or to the environment. This line is RCRA compliant and was installed as part of the 222-S RCRA compliance upgrade project in the late 1990's. It will not be known if the alarm resulted from condensate in secondary containment or a leak from the drain lines originating from 1-A, 1-E1, 1-E2 or 1-F Hot Cells (i.e., the old Hot Cells) until the line is drained and analyzed in order to determine the source of the leak. 1F Hot Cell has been undergoing clean out and experienced a line blockage which was cleared with the use of nitric acid. The alarm occurred several weeks after work to clear the line. Use of these hot cell drains has been suspended. Additional follow-up actions are pending until the source of the liquid is determined.
- Installation of the bleed valves on the 219-S Tank System Tank 102's P-1 pump is scheduled to occur in spring 2006. This pump empties Tank 102 into the Double Shell Tank system line. During the last two transfers, this pump did not have enough power to start the siphon on the DST line resulting in an incomplete transfer. The pump will be modified prior to the next waste transfer from tank 102 to the DST System, which is scheduled for the summer.
- The following waste shipments occurred during this reporting period:
  - Low Level Waste: 7 containers
  - Hazardous Waste: 10 containers
  - PCB: 1 container

## MONTHLY ANALYTICAL REPORT

### 222-S Laboratory

January 2006

- Both 222-S ICP/MS instruments have experienced considerable downtime over the last month. The PQ Excel is currently functional. However, the decision has been made to take the POEMS out of service indefinitely due to unavailability of repair parts to address the recent controller board failure and lack of any vendor support. This leaves the 222-S laboratory with only one functional ICP-MS. An evaluation is being conducted to identify critical spare part, since without a backup ICP-MS, the laboratory is required to maintain critical spare parts to ensure uninterrupted analytical service.
- The report for the ICAT (Integrated Contractor Audit Team) audit of the Advanced Technologies and Laboratories International, Inc. (ATL) 222-S Laboratory program against the requirements of the Hanford Analytical Services Quality Assurance Requirements Documents (HASQARD) was received by ATL on September 26. The response, including corrective action plans for the four findings and 8 observations was sent to Fluor Hanford (FH) on October 26. The corrective actions for the four findings and 8 observations are complete. ATL has also established implementation procedures and practices for the areas identified in the program as non-implemented. An implementation plan citing the evidence of completion for each area will be completed by January 20, 2006.
- The final results for the most recent proficiency testing, WP-129 have been received. The overall lab score was 98.2%. Out of 169 parameters reported, only 3 were outside of acceptance limits. All of the analytes missed in the previous three WP rounds were successful in this round. Further, there are no trends for the analytes missed this time.
- The laboratory's inventory for the site EPCRA report was submitted on time, and the carcinogen listing for the facility was updated.
- Transferred standards material from MBA-233 (CH2M) to MBA-500 (ATL) on 12/9. This was a book to book transfer of the material as the material had not been disturbed since it was formally transferred from the Standards Lab to the Sample Management Office in May. A physical inventory will be conducted in January.



## CORRESPONDENCE DISTRIBUTION COVERSHEET

Author  
L. E. Borneman, 373-2821

Addressee  
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Correspondence No.  
CH2M-0600448  
February 14, 2006

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

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		Correspondence Control	A3-01	X
		CH2M Hill Correspondence Control	H6-08	X
<b><u>CH2M HILL Hanford Group, Inc.</u></b>				
		Administrative Record	H6-08	X
		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		
<b><u>U.S. Department of Energy</u></b>				
<b><u>Office of River Protection</u></b>				
		R. W. Russell	H6-60	X
		R. R. McNulty	H6-60	X
		A. J. Stevens	H6-60	X
<b><u>Washington State Department of Ecology</u></b>				
		D. G. Singleton	H0-57	X
		N. Smith-Jackson	H0-57	X
		J. J. Wallace	H0-57	X
<b><u>Analytical Technologies and Laboratories International, Inc.</u></b>				
		H. L. Anastos	T6-10	X
		J. G. Hwang	T6-10	X

*LE Borneman 2/13/06*