

Meeting Minute Approval Sheet

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

MO-291
May 29, 2003
9:30 - 10:00 p.m.

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DOE: ^{EEB 6/19/03} *Geneva Ellis-Balone* 19 June 2003
Geneva Ellis-Balone Date

ECOLOGY: *Rick Bond* 19 June 2003
Rick Bond Date

MEETING MINUTES

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

5/29/03

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Meeting Attendees:

Oscar Holgado, RL
Tracy Gao, Ecology
Lucinda Borneman, FH
Jeff Westcott, FH

Rick Bond, Ecology
Jay Warwick, FH
Gene Roosendaal, FH
Rhonda Connolly, FH

Introduction:

Mr. Oscar Holgado, RL, called the meeting to order at 9:30 a.m.

Approval of Previous Meeting Minutes:

RL and Ecology approved the April 1, 2003 meeting minutes. These meeting minutes were for the March 2003 meeting, held on April 1.

Status of Action Items:

There are no open action items.

222-S Laboratory TSD Issues:

Mr. Jeff Westcott, FH, presented the topic of off-unit waste acceptance into the 222-S Laboratory. The specific wastes are from DST treatability study conducted at the Savannah River Technology Center (SRTC) under contract to the Hanford vitrification plant contractor. FH informed Ecology that the wastes will be evaluated for acceptance into the 222-S Laboratory for disposition to the 219-S Tank System and return to the DST System. Engineering work is scheduled to start this fiscal year. His talking points are attached. The chemical profile of this waste is very similar to the SRTC residues that are currently being dispositioned to the 219-S system for return to the DST System. Ecology expressed no concerns regarding the off-unit waste acceptance into 222-S Laboratory and supported moving ahead with the planning and the work to receive the waste into the 222-S Laboratory 219-S tank system.

222-S Laboratory Operations:

Mr. Gene Roosendaal presented the 222-S Operations report for April, which is attached.

WSCF Laboratory Operations:

Mr. Warwick, FH, presented the WSCF Operations Report for April, which is attached.

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Miscellaneous Issues

Mr. Holgado raised the question of why the DST waste is being shipped to SRTC for treatability studies instead of using local or nearby facilities. FH related that the Hanford vitrification contractor and the tank farm contractor selected both SRTC and PNNL to perform various treatability studies on DST Waste; FH prepares, archives, and ships DST samples at their direction.

Next Meeting:

June 19, 2003
MO-278, 200 West Area
9:15 – 10:00 a.m.

222-S Project Managers Meeting & Misc. Lab Issues (TSD: TS-2-1)
5/29/03

Attachment 1
List of Attendees
Agenda
Action Items
Other Handouts

2225 Project managers' Meeting
 and
 misc. Lab Issues
 5/29/03
 Attendance

Name	Affiliation	MSIN
Lucinda Borrenan	FH / Anal Services	
Oscar M. Holgado	POE - RL	A2-15
Tracy Gao	Ecology	B5-18
Rick Bond	Ecology	B5-18
Jeff Westcott	FH / Waste Services	T4-05
Jay Warwick	FH / WSCF	S3-30
GENE ROOSENDAL	FH / Anal. Services	
Rhonda Connolly	FH / Waste Services	T4-03

222-S Project Managers Meeting & Misc. Lab Issues

MO-291, 200 West

May 29, 2003

9:15 – 10:00 a.m.

Agenda

1. Introductions
2. Approval of Previous Meeting Minutes
3. Status of Action Items
4. 222-S TSD Issues
 - 4.1. Detailed Planning for Receipt of SRTC Waste from T-Plant
5. 222-S Laboratory
 - 5.1. Operational Report
6. WSCF Laboratory
 - 6.1. Operational Report
7. Misc. Issues
8. Review of New Action Items

Disposition of SRTC Residues in Storage at T Plant

SRTC Waste at T Plant

5 drums
11 bottles

Issue

SRTC treatability study residues, the same material currently being received as samples at the laboratory, was received at the T Plant facility over the period December 1999 to September 2000. The residues are stored as waste at the T Plant facility. Due to the high dose rate of the waste residues they need to be dispositioned to reduce personnel exposure at T plant (about 320 mrem/year).

Alternatives for Disposition

Some alternatives considered but discarded for detailed comparison:

- Treat at Liquid Effluent treatment plant
- Treat at T plant and dispose to Mixed waste trench
- Treat at WESF

Alternatives developed for comparison:

- Ship waste to 222-s laboratory for return to Hanford tank farms via the 222-S 219-S tank system.
- Ship waste to ATG for treatment. Return treated waste to Hanford for disposal in mixed waste trench.
- Ship waste to 204-AR for transfer into Hanford tank waste system.

The best alternative based on lowest personnel exposure, cost, and best likelihood of success is ship waste to 222-s laboratory for return to Hanford tank farms via the 222-S 219-S tank system, see the attached table.

Proposed Action

Ship waste to the 222-S laboratory to pour to the 219-S tank system. Waste will be subjected to the waste acceptance process described in the draft WAP (HNF-6879), credit will be taken for receipt Physical/Chemical screening performed during sample receipt.

Comparison of Disposition Alternatives for SRTC Residues at T Plant

Description	Cost	Exposure	Risk
1. Ship waste to 222-s laboratory for return to Hanford tank farms via the 222-S 219-S tank system.	\$150,000	4200 mrem	<ul style="list-style-type: none">• Competes with laboratory mission work
2. Ship waste to ATG for treatment. Return treated waste to Hanford for disposal in mixed waste trench.	\$280,000	6200 mrem	<ul style="list-style-type: none">• ATG bankruptcy process could affect ability to work• Not part of current contract with ATG
3. Ship waste to 204-AR for transfer into Hanford tank waste system.	\$320,000	5580 mrem	<ul style="list-style-type: none">• Operational status of 204-AR facility

**222-S Project Managers Meeting & Misc. Lab Issues (TSD: TS-2-1)
5/29/03**

**Attachment 2
222-S Lab Operations Report
WSCF Operations Report**

MONTHLY OPERATIONS REPORT
222-S LABORATORY
May 2003

222-S and WSCF facility managers certified the respective facility's input to the Air Operating Permit Annual Reports. Additional reviews are in progress to support the scheduled submitted.

Weld repairs on exhaust stack supports, per Nonconformance Report (NCR) #02-FH/HSO-055, commenced May 2, 2003. Additional support cracking was identified during repairs and we are adding the findings to the NCR. Repair work will not be completed until early June 2003. In addition, windy conditions may extend target completion date.

Installation of the flow-dividing wall inside the 222-SB High Efficiency Particulate Air (HEPA) filter building was successfully completed. This work was completed 14 days ahead of schedule. The advanced completion date is attributed to excellent up front planning and excellent coordination of resources, coupled with a maintenance window provided by the recent Hanford stop work associated with mixed waste. The work closes out a Defense Nuclear Facilities Safety Board (DNFSB) recommended action for design work associated with stack replacement.

Issued a request of CH2M Hill for transfer of the 222-S Laboratory aqueous waste in the 219-S Tank System to the Double Shell Tank System. The transfer date is currently June 2, 2003.

Comments have been submitted the CH2M Hill on the Statement of Work for the W-314 Project. A meeting was held May 8, 2003 to give a brief overview of the overall project and how applies to the 219-S Waste Handling Facility.

Four lighting fixtures containing leaking Polychlorinated Biphenyl (PCB) ballast were removed from the second floor duct level of the 222-S building and packaged as Toxic Substance Control Act (TSCA) regulated waste. All leaking material had been contained to the inside of the lighting fixture. It was determined that decontamination and testing was cost prohibitive. This evolution provided facility personnel training and understanding of the process requirement for handling leaking PCB equipment. The cleanup enables us to initiate work on the installation of the new MAC 21 drum ventilator for Room 4E.

Developed a Standing Order to implement the direction flowed down from the Ecology Order regarding generation of mixed waste for which there is no treatment path.

A draft revision of HNF-7098, "Criticality Safety Program," is currently in the review process. The major effect of this revision for the 222-S Laboratory is the change in the Isolated Facility limit from the existing 1/3 of a minimum critical mass (MCM), or 177 grams of ²³⁹Pu equivalence, up to 1/2 of a MCM (265 grams equivalence). If the document is approved as written, the laboratory will continue to operate at 177 gram equivalence based on the accident analysis in the Interim Safety Basis (ISB). When the new Documented Safety Analysis (DSA) is implemented, the operating limit will increase to 225 gram equivalence based on the accident analysis.

WSCF Status
May 2003

Statistics:

- Number of days since facility occupancy on October 1, 1993 without a time-loss injury: 3,514
- Lost Workdays in May: 0
- OSHA Recordable Injury Cases in May: 0
- First Aid Cases in May: 0

Actions Completed:

Three new administrative waste management procedures have been rewritten and are out for review. WSCF Waste Management Program has been rewritten and is out for review. This is one of the cornerstone procedures for the waste program. Work will continue of combining and improving the other waste management procedures.

Trolley rails have been installed. The shop fabrication of the trolley rails test weight is complete.

The 6266 building Exhaust Fan #2 is making excessive noise due to ball bearing issues and will be replaced by a new exhaust fan, that we had ordered (in the expectation that this event would occur in the near future). The replacement is expected to be complete by May 30. The old Exhaust Fan #2 will be evaluated and rebuilt to replace Exhaust Fan #1.

Due to the Administrative Order issued by WDOE the WSCF laboratory performed an orderly stop work. Some turnaround times and hold times were missed due to the shutdown.

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author
L. E. Borneman, FH
373-2821

Addressee
Distribution

Correspondence No.
FH-0302509
June 24, 2003

Subject: 222-S PROJECT MANAGERS' MEETING AND MISCELLANEOUS LAB ISSUES
(TSD: TS-2-1), MAY 2003.

DISTRIBUTION

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	X
		<u>Fluor Hanford, Inc.</u>		
		Administrative Record	H6-08	X
<i>LE Borneman</i>	<i>6/23/03</i>	L. E. Borneman	T6-14	X
		C. M. Caprio	S3-30	X
		B. J. Dixon	R3-32	X
		J. M. Dupaquier	T6-06	X
		C. M. Seidel	T6-14	X
		D. L. Renberger	S3-30	X
		G. D. Roosendaal	T6-14	X
		G. J. Warwick	S3-30	X
		222-S Regulatory File	T6-14	X
		LEB File/LB		
		<u>U.S. Department of Energy</u>		
		<u>Richland Operations Office</u>		
		E. M. Bowers	A2-15	X
		G. Ellis-Balone	A2-15	X
		O. M. Holgado	A2-15	X
		D. J. Williams	H6-60	X
		<u>Washington State Department of Ecology</u>		
		F. W. Bond	B5-18	X
		T. Z. Gao	B5-18	X
		D. G. Singleton	B5-18	X