

0058101

Meeting Minute Approval Sheet

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

2704HV/Room G-108B

July 25, 2002

9:30 - 10:00 p.m.

**RECEIVED**  
SEP 25 2002

**EDMC**

DOE: Geneva Ellis-Balone 8/8/02  
Geneva Ellis-Balone Date

ECOLOGY: Fred Jamison 8/14/02  
Fred Jamison Date

# MEETING MINUTES

222-S Project Manager's Meeting and Miscellaneous Lab Issues (TSD:TS-2-1)  
7/25/2002

## Meeting Attendees:

Fred Jamison, WDOE  
Geneva Ellis-Balone, RL  
Jay Warwick, FH

## Introduction:

Mr. Jay Warwick called the meeting to order at 9:30 a.m.

He introduced Geneva Ellis Balone as the new RL representative who will be replacing Jamie Zeisloft.

## Approval of Previous Meeting Minutes:

RL and Ecology approved the May 23, 2002 meeting minutes.

## Status of Action Items:

One action item is left open.

Ecology had requested a meeting be set up to discuss the ICAT Audit Reports, which were provided to Ecology at the April 25, 2002 meeting. RL agreed to an action item to set up the meeting. This action is open and Ms. Ellis Balone has taken the action to check with Mr. Zeisloft as to the status of the action.

Action Item: Set up meeting between Ecology, RL, and FH to discuss the results of the ICAT Audit Report.

Actionee: Ms. Ellis Balone, RL

## 222-S Laboratory TSD Issues

Mr. Warwick presented Mr. Jamison a copy of the changes to the 222-S Part B Waste Analysis Plan. These changes have already been agreed upon by all parties. Mr. Jamison acknowledged the changes. He reviewed the changes shown him and concurred that they have already been agreed upon, and that they will be attached to these meeting minutes to indicate approval by all parties.

## 222-S Laboratory Operations:

Mr. Warwick, FH presented the 222-S Operations report for July, which is attached.

WSCF Laboratory Operations:

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

Miscellaneous Issues

No miscellaneous issues were discussed.

Next Meeting:

August 22, 2002; 2704HV, Room G-108B

222-S Project Managers Meeting & Misc. Lab Issues (TSD: TS-2-1)  
7/25/02

Attachment 1  
List of Attendees  
Action Items  
Other Handouts



222-S Laboratory's Treatment Tanks and  
Storage Buildings (TSD: TS-2-1)  
and Miscellaneous Laboratory Topics  
Calendar Year 2002

TRACKING NUMBER	DATE ASSIGNED	FACILITY	ACTION	ACTIONEE	DUE DATE [Target=T, Mandatory=M]	STATUS
AS-2002-01	1/31/02	222-S	Provide ICAT Audit Report to Ecology.	L. Borneman	When Issued	CLOSED
AS-2002-02	5/23/02	222-S/WSCF	Set up meeting with Ecology to discuss ICAT Audit Report	J. Zeisloft		OPEN

222-S Laboratory Complex TPA Project Manager Meeting  
222-S Laboratory Complex Waste Analysis Plan Revision  
July 25, 2001

The DOE and Ecology TPA Project Managers for the 222-S Laboratory Complex have decided to amend the 222-S Laboratory Complex Waste Analysis Plan (222-S WAP) under interim status. This attachment documents the changes to the interim status 222-S WAP so that, at the appropriate time in the near future, the final status 222-S WAP resulting from Modification F of the Hanford Facility RCRA Permit will also be modified to include the same language.

Reference to the current 222-S WAP is: "Waste Analysis Plan for 222-S Laboratory Complex Waste Management Units", HNF-6879-1, dated March 2001 (reference DOE to Ecology letter dated March 8, 2001). Changes to the 222-S WAP will result in issuing revision 2.

Three changes are described below followed by the text changes.

1. Page 1-3 line 16, delete the bullet.

The following waste is prohibited from management in the 219-S Waste Handling Facility:

- Dangerous and/or mixed waste not identified on the Part A, Form 3
- Reactive waste defined in WAC 173-303-090(7)(a)(vi), (vii), and (viii)
- Organic compounds not miscible with water forming a separable layer
- ~~Mixed waste designated as WT01 or WT02 only for rat inhalation toxicity [WAC 173-303-640(5)(e)]~~
- Waste likely to precipitate to the extent drain lines will clog.

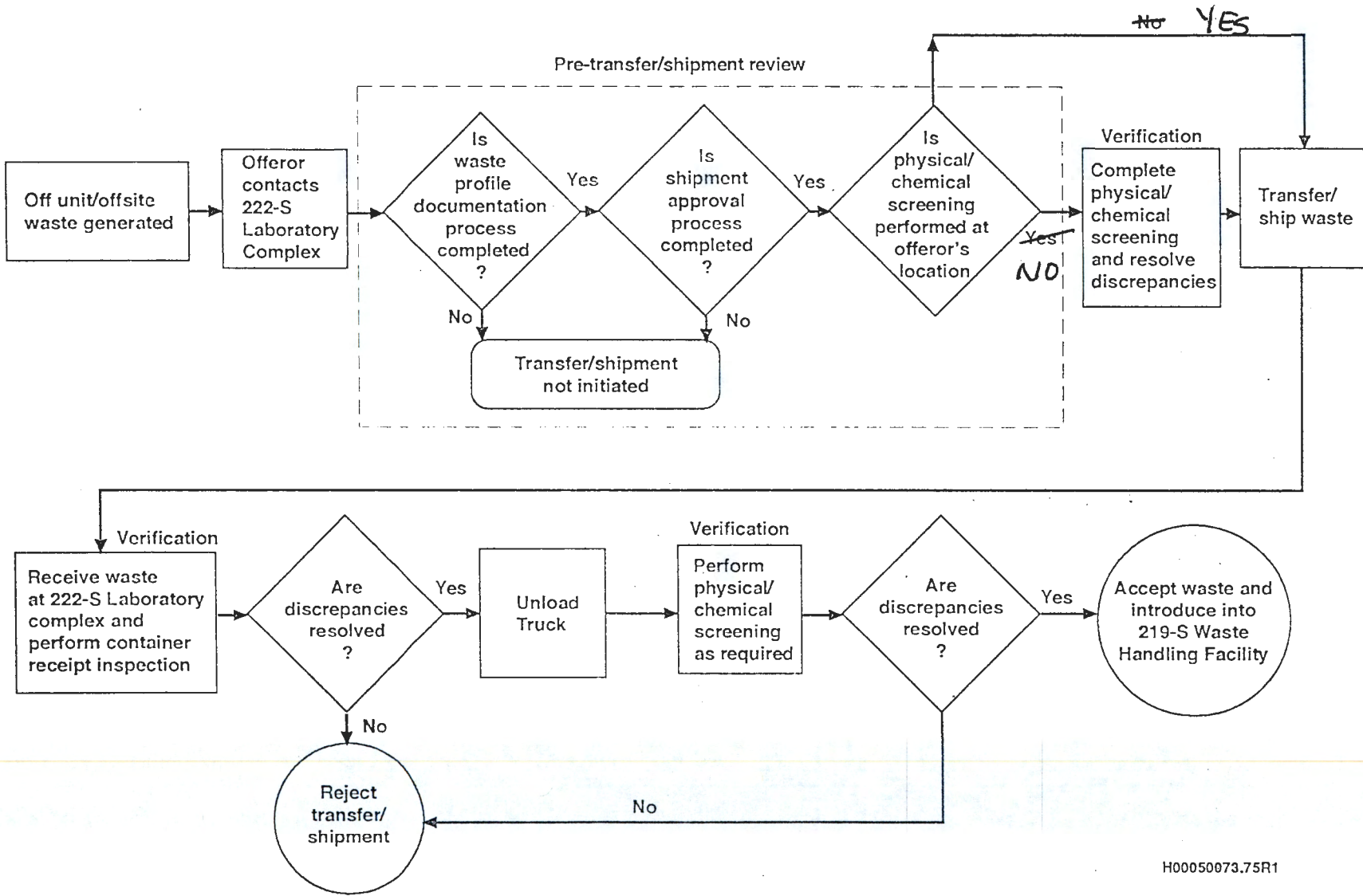
2. Page 1-3 lines 40-41, replace bullet with new text.

Analytical waste resulting from sample analysis contains chemical reagents used in the laboratory procedures and a contribution from the sample. Waste designations performed on analytical waste will be based on the following three considerations:

- Reagents used in the laboratory procedure
- ~~Parameters for which testing is being performed under the given laboratory procedure (e.g., metals for ICP waste)~~ Contributions from calibration and verification standards used during an analytical process or procedure
- For sample contribution, listed waste numbers identified on documentation accompanying incoming samples to the 222-S Analytical Laboratory.

3. Page F1-6, Figure 1-6: Change the "Yes" and "No" answers around from the decision diamond that reads: "Is physical/chemical screening performed at offeror's location"

Figure 1-6. 219-S Waste Handling Facility - Off-unit/Offsite Waste



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Attachment 2  
222-S Lab Operations Report  
WSCF Operations Report

**MONTHLY OPERATIONS STATUS**  
**222-S LABORATORY**  
**E. C. Vogt**  
**June/July 2002**

The Facility Evaluation Board (FEB) in-brief was held on June 17, 2002, with Hanford Site Operations (HSO) senior management and points-of-contact. The three week review was completed July 3, 2002. Final report is being prepared.

Completed the user validation and verification checklist for procedure LO-100-166, *Manage Satellite Accumulation Area, 90 Day Accumulation Area, And Treatment, Storage, and Disposal (TSD) Units*. Comments have been provided and updated. The procedure has been routed for review to personnel who will need to sign off on the procedure. All comments are expected by Wednesday, July 10, 2002, followed by a signature session, to be scheduled at a later time.

Received notification that our Low Level Waste (LLW) verification rate has been reduced again, now down to 5 percent verification (lowest rate for the site). This is the result of significant effort by the Hazardous Material Control (HMC) staff and support of facility personnel.

222-S received residues from Savannah River Technical Center (SRTC) Single Shell Tank (SST)/Double Shell Tank (DST) Treatability Studies. The liquid residues were accepted into the facility and transferred to the 219-S Tank system TSD on June 26, 2002. The next shipment is expected in October 2002.

A review of the integrity of 296-S-21 stack and exhaust fans is being initiated by Engineering. A review strategy is being developed, which will entail a more formal review of the system's structural integrity, an examination of fan interiors to ensure no damage is evident, and testing that will ensure we are running the fans at the optimal conditions allowable. The above testing will take place after the repair of the ducting system presently being performed.

Supported the Washington Department of Ecology inspection. The inspection targeted 90-Day Accumulation Areas at the 222-S Laboratory complex. No non-compliant findings or concerns were identified.

## WSCF OPERATIONAL REPORT

WSCF has received a request from Los Alamos National Lab to support their WIPP drum characterization with sampling and analysis services and help them meet a PI. Their manifold-based analysis system is not expected to get approval for approximately 8 months

### **Installation of IRIS ICP/AES in WSCF:** No change.

The IRIS is the ICP/AES previously used at the weather station is being returned to service at WSCF. This instrument will provide a backup to the ICP in room N12 and is expected to expand our ICP capability by achieving lower detection limits and a broader array of elements. (Fitzgerald)

#### *Current Status:*

- The instrument has been setup in room N16
  - The laboratory is developing an installation schedule and a method development plan.
  - Installation and upgrade completed. The instrument meets manufacturer's specifications.

### **Installation of HP ICP/MS in WSCF:** No change.

Procure and install new equipment, and develop methodologies to extend the capability and capacity of Inductively Coupled Plasma – Mass Spectrographic analysis at the WSCF Laboratory. (Fitzgerald)

#### *Current Status:*

- The HP-ICP has been received at WSCF.
- The laboratory is developing an installation schedule and a method development plan.

### **Installation of DX 600 Ion Chromatographs at WSCF:**

Procure and install two new instruments, and develop methods for to restore capability and capacity of ion chromatographic analysis at WSCF. One instrument is being installed for anion analysis and the other instrument is being installed for cation analysis. (Fitzgerald)

#### *Current Status:*

- The Cation instrument is installed and operational.
- Samples are being analyzed on the old DX-300 and the new DX-600. Results are comparable

### **Oil & Grease Analysis using EPA Method 1664**

Sample extraction with Freon solvent for oil & grease analysis is due to be phased out. A Horizon, model 4790 solid phase extraction system using method 1664 has been installed at WSCF as a replacement. Initial testing has shown good recovery. A procedure has been drafted and MDLs determined. Implementation of the new method is hampered by conflicting priorities on the principal scientist.

#### *Current Status:*

- MDLs and initial precision and recovery have been determined for oil & grease using method 1664. The results are within the acceptable range for this method.
- The result of the PE sample analysis was received; it was within the acceptable range.

#### *Future Activities:*

- Implementation of the new method is pending approval by Ecology; Lee Farron is scheduled to visit WSCF and review our new Oil & Grease analysis method
- WSCF will issue the new method as the primary Oil and Grease analytical procedure.

## CORRESPONDENCE DISTRIBUTION COVERSHEET

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Addressee  
Distribution

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September 4, 2002

Subject: 222-S PROJECT MANAGERS' MEETING AND MISCELLANEOUS LAB ISSUES  
(TSD: TS-2-1), JULY 2002.

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LEB	9/4/02	L. E. Borneman	T6-14	X
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		C. M. Seidel	T6-14	X
		E. C. Vogt	T6-14	X
		G. J. Warwick	S3-30	X
		222-S Regulatory File	T6-14	X
		WSCF Regulatory File	S3-30	X
		LEB File/LB		
		<b><u>U.S. Department of Energy</u></b>		
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		F. Jamison	B5-18	X
		D. G. Singleton	B5-18	X