

MEETING MINUTES

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

7/14/05

Page 1 of 1

Meeting Attendees:

Andrew Stevens, DOE ORP
Lucinda Borneman, CH2M HILL
Don Hardy, CH2M HILL

Noe'l Smith-Jackson, Ecology
Barbara Hill, CH2M HILL
Jou Hwang, Advanced Technologies
and Laboratories International, Inc.

Introduction and Approval of Previous Meeting Minutes:

Mr. Andy Stevens, ORP, called the meeting to order at 9:30 a.m. ORP and Ecology approved the June 2005 meeting minutes.

Action Items:

The following actions were assigned at the June meeting. All action items were closed this month. Requested documents are attached to these meeting minutes.

ACTION: Provide an integrated organizational chart for 222-S Laboratory showing both CH2M HILL and ATL

ACTIONEE: Jou Hwang and Barb Hill

STATUS: CLOSED

ACTION: Include an agenda item for "222-S Permit Issues" to next PMM Agenda

ACTIONEE: Lucinda Borneman

STATUS: CLOSED

ACTION: Provide PEcoS profile for the thermal treatment of 222-S waste.

ACTIONEE: Lucinda Borneman

STATUS: CLOSED

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

No 222-S Laboratory TSD, RCRA permit, or miscellaneous issues were raised or discussed.

222-S Laboratory Operations:

Jou Hwang of ATL presented the Analytical Report and Ms. Barb Hill and Mr. Don Hardy of CH2M HILL presented the Operations Report. The reports are attached.

Next Meeting:

August 11, 2005

2440 Stevens, room 1600

9:30 – 10:00 a.m.

222-S Project Managers Meeting & Misc. Lab Issues (TSD: TS-2-1)
7/14/05

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

222-S Project Managers Meeting & Misc. Lab Issues
2440 Stevens, Room 1200
July 14, 2005
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 ANALYTICAL REPORT
222-S Laboratory
July 2005

- The 222-S facility participated in the 200 West Area emergency preparedness drill on June 22 -23. The drill included a take cover of the facility as well as sample receipt and analysis in the Counting Room. The 222-S facility performed well, and there were no noted areas for improvement for the 222-S facility.
- The 222-S Lab received the results of its performance on three sets of performance (PE) evaluation samples.
 - The ERA Water Pollution (WP123) program reported 167 results out of 169 were acceptable giving a 98% pass rate. This is well above the required acceptance criteria for the program.
 - Industrial Health Proficiency Analytical Testing (IHPAT) program and Be-PAT program, administered by American Industrial Hygiene Association, reported that all of the results submitted by 222-S Lab were acceptable giving a 100% pass rate. Because the IH - PE samples have gone so well, 222-S is investigating scheduling IH Lab Accreditation in the fall.
 - Results for the Mixed Analyte Performance Evaluation Program (MAPEP-13) administered by the Radiological and Environmental Sciences Laboratory at the Idaho National Engineering Laboratory were received. The 222-S Laboratory reported 37 results for MAPEP, of which 31 were acceptable for an 84% pass rate. This is a new PE program for 222-S Lab with this being the second set of PE samples that have been analyzed in this program at 222-S.
- The new liquid scintillation instrument has been received at the lab. Planning is underway for installation.

MONTHLY OPERATIONS REPORT

222-S Laboratory

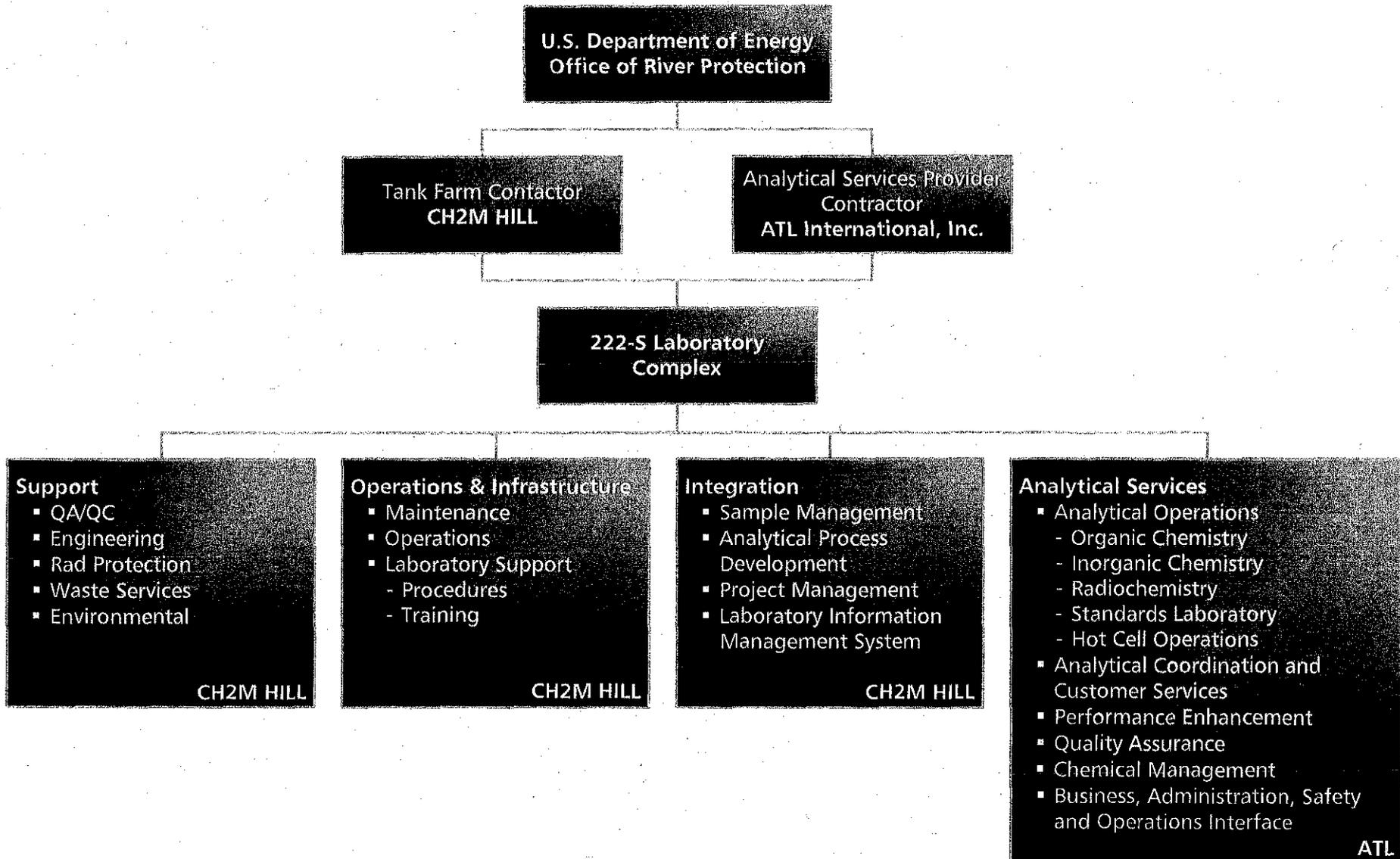
July 2005

- During this reporting period 222-S Laboratory has started performing vapor analysis. This culminates an extensive effort to develop, test, and deploy new analytical methods.
- As part of the ongoing effort to develop Industrial Hygiene (IH) analytical capabilities at 222-S, CH2M HILL has successfully qualified an IH QA reviewer and developed a Quality Assurance Project Plan for the IH analyses.
- RBW-V-203 valve replacement activities at 207-SL has been completed. The repairs will prevent leakage from the south basin into the 207-SL outlet weir. The 207-SL basin holds steam blow down and other clean water sources from 222-S and the Johnson Control package boiler.
- SRNL treatability returns were received at 222-S on July 5. The shipment consisted of 17 hedgehogs and 5 drums of solids. All liquid residues were transferred to the 219-S Tank system and the drums were received at the 222-S Dangerous and Mixed Waste Storage Area.
- The facility is ready to support the transfer of waste from the 219-S Tank System to the DST system in July. Exact transfer dates are dependant on Double Shell Tank system work activities. The waste transfer will consist of up to 6000 gallons with flush.
- 222-S has started using the new Laboratory Information Management System (OmniLIMS) for special projects. OmniLIMS has been used in parallel with the old LIMS during the testing period and has performed well. 222-S will begin using OmniLIMS for all projects that don't require an upload into Tank Characterization Database. OmniLIMS brings the LIMS system into a Windows based environment and is compatible with current software and hardware standards.
- The 219-S Tank System sump pump number 6 was replaced during this reporting period. This pump services the sump in the 219-S Vault under out-of-service Tank 103.
- Waste shipments:
 - DW: 0
 - MW: 12
 - LLW: 0
 - PCB: 0
- During this reporting period, 222-S sent 4 containers of recyclable material (e.g., batteries, light bulbs, non-PCB ballasts) to the 400 Area Central Consolidation and Recycling Center (CCRC).

222-S LABORATORY INTEGRATED ORGANIZATION CHART

CH2M Hill Hanford Group, Inc. (CH2M HILL)

Advanced Technologies and Laboratories (ATL) International, Inc.





Pacific EcoSolutions

June 1, 2005

US Department of Energy – CH2M Hill Hanford Group 222-S
c/o Rene Catlow
P.O. Box 1500, MSIN T6-50
Richland, WA 99352

RE: Waste Profile Approval

Waste Profile Record 2005-CH2M-0004 has been approved.

All waste shipped to Pacific EcoSolutions under this profile number must match the waste descriptions and other information provided on this Waste Profile Record.

This profile is valid through the date listed below. After this date, the Waste Profile Record must be recertified by submitting an Annual Profile Review form. Normally, Pacific EcoSolutions will provide a copy of this form thirty (30) days before the profile expires.

The Waste Profile Record must be revised and resubmitted for approval any time there are significant changes to;

1. The waste generating process
2. Characterization
3. Regulatory status
4. Waste codes and associated Land Disposal Restrictions
5. Any other changes that could affect Pacific EcoSolutions ability to manage the waste safely and in compliance with permits and regulations.

No waste may be shipped from a waste stream that has changed significantly until the revised Waste Profile Record has been approved.

6/1/2005

Approval Date

6/1/2006

Expiration Date

Sincerely,

David Bennett
Pacific EcoSolutions, Inc.
Mixed Waste Facility



WASTE PROFILE RECORD

Please read carefully and complete this form describing your waste stream. This information will be used to determine how to properly and safely manage, analyze, treat and dispose of your waste stream. Waste cannot be accepted at PEcoS, LLC, unless this form is completed. Should there be any questions while completing this for, contact the Mixed Waste Facility Management at (509) 375-7021.

A. CUSTOMER INFORMATION

1. Generator Information

Generator Name: CH2M Hill Hanford Group 222-S EPA ID #: WA 7890008967
 Mailing Address: P.O.Box 1500 MSIN T6-50
 Contact Name: Rene Catlow Title: Scientist - Lead
 Phone Number: 509-376-4804 Fax Number: 509-373-1180
 Person Completing This Form: Same as above Title:
 Phone Number: Fax Number:

B. WASTE INFORMATION

1. General

Waste Stream Name: Aqueous/Organic Liquids and Solids for Thermal Treatment
 Profile Number: 2005-CH2M-0004
 Volume of Waste Material: 6 cubic meters Desired Delivery Date: 05/16/05
 Desired Disposal Site: Hanford
 Is this waste an oxidizer? Yes X No
 Does this waste contain insecticides, pesticides, herbicides, or rodenticides? Yes X No
 Does this waste contain containerized gases? Yes X No
 Does this waste contain PCBs >50 ppm? Yes X No
 If YES, what is the concentration? ppm

2. Waste Matrix (Waste may be one or more of the following):

X Liquid Sludge X Solid Powder/Solid
 Hazardous Debris Radioactive Lead Solids

3. General Characteristics (% of each, if applicable.

0-100 Soil Building Debris Rubble Pipe Scale
 Tailings 0-100 Process Waste Concrete Plastic/Resin
 Radioactive Lead Solids
 0-20 Other Inorganic Debris (i.e., carbon steel, stainless steel, copper, aluminum)



Has this waste been transported or otherwise removed from the location or site where it was generated? Some Yes No

Was this waste derived from (or is the waste a residue of) the treatment, storage, and/or disposal of hazardous waste defined by 40 CFR 261? Some Yes No

C. CHEMICAL AND HAZARDOUS CONSTITUENTS

- List All known hazardous constituents with associated waste codes as referenced in 40 CFR 268.40. Provide concentration values in a range or worst case scenario. If more space is required to complete this section, please provide an attachment to this profile, formatted as below, and label the attachment Part C.1 Known Hazardous Constituents:

EPA/State Waste Code	Constituent	Concentration in Waste Stream		
		TCLP mg/L	Total mg/kg	%
F001 and F002	Methylene Chloride			1
F001 and F002	1,1,1-Trichloroethane			1
F001 and F002	Tetrachloroethylene			1
F001 and F002	Trichloroethylene			1
F002	Chlorobenzene			1
F002	1,1,2-Trichloroethane			1
F003	Xylene			1
F003 and D001	Acetone			1-100
F004	Cresols			1
F005	Toluene			1
D001	Methanol			20
D002	Nitric Acid			15
D002	Hydrochloric Acid			15
D002	Sodium Hydroxide			15
F005 and D035	Methyl ethyl ketone			1
D004	Arsenic	5-30		
D005	Barium	100-200		
D006	Cadmium	2-20		
D007	Chromium	5-30		
D008	Lead	5-30		
D009	Mercury	0.2-5		
D010	Selenium	1-5		
D011	Silver	1-5		



2: List all known **Underlying Hazardous Constituents (UHCs)** as referenced in 40 CFR 268.48. Provide concentration values in a range or worst case scenario. This part is particularly important when waste stream contains D001 or D002 waste codes. If more space is required to complete this section, please provide an attachment to this profile, formatted as below, and label the attachment Part C.2 Underlying Hazardous Constituents.

Underlying Hazardous Constituent	Concentration		
	TCLP mg/L	Total mg/kg	%

3. **Land Disposal Restrictions Information** - List the applicable EPA Hazardous Waste Numbers and State-only Dangerous Waste Numbers below. Provide additional information below with respect to the waste's sub-category (e.g., low mercury sub-category), treatability group (e.g., non-wastewater), treatment standards and concentration or technology, and any exemptions. If additional space is required to complete this section, please provide an attachment to this profile, formatted as below, labeled Part C.3 Land Disposal Restrictions.

EPA/State Waste Code	Sub-Category	Treatability Group	Treatment Standard(s) and concentration or Technology	Any Exemptions, Variances, Extension or Exclusions
F001	Spent Solvent			
F002	Spent Solvent			
F003	Spent Solvent			
F004	Spent Solvent			
F005	Spent Solvent			



D. RADIOLOGICAL WASTE INFORMATION

1. Is this waste material listed or included on an active Nuclear Regulatory Commission or Agreement State license? Yes No

If Yes, type of License: Source SNM By-Product NORM

License Number: License Agency:

Does this waste meet the requirements of contact-handled waste (e.g., <200 mRem/hr)?

Yes No

2. List the following information for each radioactive isotope associated with the waste:

Isotope	Concentration (pCi/g)	Isotope	Concentration (pCi/g)

E. GENERATOR CERTIFICATIONS:

NOTE: It is the Generator's responsibility to determine hazardous waste numbers and treatment standards.

- ◆ Generators determine whether a waste is hazardous. The requirements of 40 CFR 262.11 state that it is the generator's responsibility to determine whether (his/her) waste is hazardous.



2025 Battelle Boulevard, Richland, WA 99352 ~ (509) 375-5160 ~ (509) 375-0613 (FAX)

- ◆ All restricted wastes received at PEcoS, LLC, must be accompanied by a notice and/or certification from the generator stating that the waste meets applicable land disposal treatment standards. PEcoS, LLC, will rely on the certification(s).
- ◆ Generator's waste may be sampled by PEcoS, LLC, or by environmental regulators. Should the results of subsequent analysis of a waste show that the waste is hazardous for additional EPA or State waste numbers and corresponding treatment standards which were not identified by the generator, then the waste may be removed, refused, and may be returned to the generator pursuant to the terms of the treatment and disposal agreement.
- ◆ PEcoS, LLC, accepts waste according to a Waste Analysis Plan. PEcoS, LLC, does not assume or accept any responsibility imposed on the generator by law of the disposal agreement.

As the generator of this waste, I certify to PEcoS, LLC, that the information provided on this form is complete, true and correct. This information is also accurately supported and documented by laboratory testing or generator process knowledge as required by PEcoS, LLC. The results of any applicable analytical testing has been submitted to PEcoS, LLC.

Generator's Signature: [Signature] Title: Sc. Lead Date: 5/26/05

TO BE COMPLETED BY PEcoS, LLC:

This profile must be reviewed and approved by the following departments:

PEcoS Mixed Waste Department

Mixed Waste Facility Manager: [Signature] Date: 5-26-05
 Profiling Specialist: [Signature] Date: 5/26/05
 Treatment Specialist: _____ Date: _____

Compliance Department:

PEcoS Compliance Officer: [Signature] Date: 5/31/05
 PEcoS Radiological Safety Officer: _____ Date: _____

*Date profile approved: 6/1/2005

*This profile will remain active for one year after the date of approval. After one year, this profile will have to be reviewed, and if necessary, revised before any additional waste can be accepted from this waste stream.

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author
L. E. Borneman, 373-2821

Addressee
Distribution

Correspondence No.
CH2M-0502669

Subject: 222-S PROJECT MANAGERS' MEETING AND MISCELLANEOUS LAB ISSUES
(TSD: TS-2-1), JULY 2005

DISTRIBUTION

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	X
		<u>CH2M HILL Hanford Group, Inc.</u>		
		Administrative Record	H6-08	X
		L. T. Blackford	R1-51	X
		L. E. Borneman	T6-03	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	H6-03	X
		222-S Regulatory File	T6-03	X
		LEB File/LB	T6-06	X
		<u>U.S. Department of Energy</u>		
		<u>Office of River Protection</u>		
		M. C. Brown	H6-60	X
		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	T6-12	X
		J. G. Hwang	T6-10	X

LE Borneman 9/7/05