0065708

Central Plateau Tri-Party Agreement Milestone Review
Meeting Minutes
April 26, 2005

Approval: _____ Date: 6/28/05
Michael A. Wilson (H0-57)
Ecology IAMIT Representative

Approval: _____ Date: 6/30/05
Matthew S. McCormick (A5-11)
RL IAMIT Representative

Approval: _____ Date: 6/30/05
Jim E. Rasmussen (H6-60)
ORP IAMIT Representative

Approval: _____ Date: 6/28/05
Nick Ceto (B1-46)
IAMIT Representative

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Minutes Prepared by:

Approval: _____ Date: 6/28/05
Eileen Murphy-Fitch (A4-25)
Fluor Hanford, Inc.

Aromi, E. S.	CHG	H6-08	Jackson, R.	FH	E6-35
Austin, B.	FY	H8-68	Jim, R.	YIN	
Bartus, D.	EPA	H0-57	Langstaff, D. C.	RL	A4-70
Bond, R.	Ecology	H0-57	LaRue, D. N.	BHI	H0-20
Bohnee, G.	NPT		Leary, K. D.	RL	A6-38
Borghese, J. V.	FH	E3-65	Mattlin, E. M.	RL	A5-11
Brown, M. E.	Ecology	H0-57	McCormick, M. S.	RL	A5-11
Buxbaum, M.	FH	B3-53	McKarns, T. C.	RL	A5-15
Cameron, C.	EPA	B1-46	McKenney, D. E.	FG	H8-44
Ceto, N.	EPA	B1-46*	Miskho, A. G.	FH	H8-40
Clark, C. E.	RL	A5-15	Morrison, R. D.	FH	A4-25
Charboneau, B. L.	RL	A6-33	Moy, S. K.	RL	A6-38
Charboneau, S. L.	RL	A5-11	Murphy-Fitch, E. J.	FH	A4-25*
Cimon, S.	Oregon		Niles, K. S.	Oregon	
Cusack, L.	Ecology	H0-57*	Olinger, S.	ORP	H6-60
Dagan, E. B.	RL	A5-15	Pak, Paul	RL	A5-16
Dusek, L.	FH	R3-62	Piippo, R. E.	FH	A4-25
Erickson, L.	RL	A6-37	Price, J.	Ecology	H0-57
Faulk, D.	EPA	B1-46	Rasmussen, J. E.	ORP	H6-60
Faulkner, D.	RL	A5-11	Romine, L. D.	RL	A6-33
Foley, B. L.	RL	A6-38	Schwier, J.	RL	A7-27
Ford, B. H.	FH	E6-35	Schepens, R. J.	RL	H6-60
Fritz, L.	FH	H8-12	Skinnarland, E. R.	Ecology	H0-57
French, M.	RL	A6-38	Sinton, G.	RL	A6-38
Gadbois, L.	EPA	B1-46	Thompson, S.	FH	H8-12
Gallagher, R.	FH	H5-20	VanMason, E.	Ecology	H0-57
Gurske, R.	FH	H8-12	Watson, D.	FH	X3-79
Harris, S.	CTUIR		Wilde, R.	FH	H8-44
Hedges, J.	Ecology	H0-57	Williams, J. D.	FH	H8/49
Hertzel, J. S.	FH	A4-25	Winterhalder, J. A.	FH	E6-35
Hildebrand, R. D.	RL	A6-38	Wilson, M. A.	Ecology	H0-57
Hopkins, A.	FH	H8-25	Administrative Record	EDMC	H6-08*
Huffman, L.	RL	A5-15	**w/Attachments File*		
Jackson, D. E.	RL	A4-52			
Jackson, G. W.	FH	H5-20			

K Basin Closure Project (Tri-Party Agreement Milestone M-034-00)
Start: 10:03 a.m.
Stop: 10:33 a.m.

Sludge containerization (Tri-Party Agreement Milestone M-034-33B), due March 31, 2005, is forecast for completion October 31, 2005. The removal of K East Sludge (Tri-Party Agreement Milestone M-034-34) is currently on schedule with little schedule float. Significant accomplishments include final cleanout of K East Basin Weasel Pit, installation of the sludge collection container in K East; operation of K East basin sludge flocculation system; and, initiated plumping from K West Basin center bay to clear sludge for container installation. The flocculation system is not helping with water clarity/visibility. Major progress was made for hose-in-hose (HIH) transfers. Poor water visibility in K East Basin, adequacy of sludge characterization data and availability, and resource availability continue to impact KBC cost and schedule performance.

One box (from the 356 boxes sent to ERDF) is undergoing more detailed screenings. The results of the screenings completed to date were provided to EPA.

PFP Transition (Tri-Party Agreement Milestone M-083-00)
Start: 10:33 a.m.
Stop: 10:40 a.m.

FY 2006 Tri-Party Agreement milestones are forecasted scheduled for early completion. Approximately 75% of legacy holdup is complete. Twenty-one glovebox/hoods have been decontaminated to low-level waste. Tri-Party Agreement Interim milestone M-083-31, *Discontinue Waste Discharges from the 241-Z Tanks to Tank farms Via Existing Lines* was completed. Ecology accepted the closure certification for the HA-20MB glovebox.

Central Plateau (M-013, M-015, M-016, M-020, and M-024)
Start: 10:49 a.m.
Stop: 11:13 a.m.

Groundwater Remediation

Groundwater remediation is 20.8% behind schedule and 8.2% over cost. A Technetium-99 plume characterization and source investigation will be performed for the T Tank Farms. Thirty-seven of the 45 groundwater monitoring wells scheduled for installation by December 31, 2005 are installed. The design for the 200-ZP-1 groundwater pump and treat expansion was completed as of March 31, 2005. RL directed FH to more fully utilize any data and/or outcomes of other monitoring activities to mitigate any impacts. Ecology, RL and FH are developing a central plateau strategy that discusses risk integration, contamination around the tank farms, and develop a schedule to complete the work.

Facilities and Waste Site Remediation

Agreement was reached on the revision of the 200-SW-1 and 200-SW-2 Work Plan. Public comment closed on the U Plant Canyon Disposition Initiative (CDI). Additional geophysical characterization (high resolution resistivity) of the BC Cribs and Trenches was initiated in March 2005. A 200-SW-2 scoping meeting for the non-intrusive sampling will be held in May 2005. A recovery schedule will be established ~~so that~~ to address Ecology's issues on the 200-IS-1 Work plan. RL would like to see the Parties reach a common understanding for documentation and reference of the Central Plateau Core Zone (physical boundary and definition). The regulators asked for a separate meeting to discuss it.

Action: Schedule meeting to discuss the need for/reach agreement on a definition for the Central Plateau Core Zone

Actionee: John Price/Larry Romine/Nick Ceto

Issues/challenges facing the project include:

- Downgrade of the PUREX stack from major to minor status. If this is not approved, then additional funding will be required in FY 2006 and beyond..
- Closure on decision logic/criteria, and key technical and policy issues affecting waste site remedial alternative selection.
- Consensus on Waste sites ROD Strategy (may require realignment of some Tri-Party Agreement milestones).
- Resource constraints.
- Timing/phasing of U Plant underground pipeline remediation.
- Maintain remediation momentum.

Land Disposal Restriction Report (Tri-Party Agreement Milestone M-026-01)
Start: 11:31 a.m.
Stop: 11:32 a.m.

The CY 2004 Land Disposal Restriction (LDR) Report will be submitted to the regulators on or before the April 30, 2005, due date. Process improvements (i.e., frequency of report; requirements for report; other ways to get the data needed; etc.) will be discussed during the Project Manager Meetings. It is anticipated that the requirements will be consolidated into one document that is responsive to the Parties needs.

Acquisition of Facilities to TSD TRU/TRUM, LLMW (M-091)
Start: 11:32 a.m.
Stop: 11:44 a.m.

Thermal treatment treatability tests were conducted in March at PEcoS on both the thermal desorption unit and the plasma treatment system using approximately 100 m^3 of Hanford waste. Approximately 82 m^3 was sent to Permafix. The 218-E-12B Sampling and Analysis Plan (SAP) was approved by Ecology in January 2005. A total of 3279 m^3 of M-091-42 MLLW has been treated as of March 31, 2005.

Permitting/Closure Plans (Tri-Party Agreement Milestone M-020)
Start: 11:44 a.m.
Stop: 11:49 a.m.

The status and planned accomplishments for Permits/Closure Plans was presented.

Hanford K Basins Closure Project

Tri-Party Agreement M-34 Milestone Review

U.S. Department of Energy,
Richland Operations Office
Second Quarter FY 2005

April 26, 2005

TPA Milestone Status

Remaining Milestones Due Fiscal Year 2004-2009

Number	Milestone Title	Due Date	Status/Comments
M-34-33	Containerize K East Sludge, All K East Sludge is placed in containers Sludge containerization initiation (10/31/2004) Sludge containerization complete (03/01/2005)	As Specified in descriptive text of this milestone	Sludge containerization was initiated on 10/31/2004. Sludge containerization completion is projected to be complete on October 31, 2005.
M-34-21-T01	Initiate full scale K West Basin water removal.	12/31/2005	On schedule.
M-34-34	Complete removal of K East Sludge.	01/31/2006	On schedule, but little float remains
M-34-35	Containerize K-West Sludge All K West Sludge is placed in containers.	06/30/2006	On schedule.
M-34-30	Initiate Sludge Treatment This interim milestone will be complete following treatment and packaging of the first unit of sludge into a form that is certifiable for disposal offsite.	02/28/2007	On schedule.
M-34-32	Complete Removal of the K East Basin Structure This interim milestone will be complete when spent nuclear fuel, sludge, debris and water are removed from the K East Basin and the upper building and concrete basin are removed.	03/31/2007	On schedule.
M-34-31	Complete Sludge treatment This interim milestone will be complete following treatment and package of all sludge for disposal offsite.	10/31/2007	On schedule.
M-34-00A	Complete removal of the K Basins and their contents. Note: Unless otherwise noted, the term "K Basins" is used to denote both K East and K West Basins. This milestone will be complete when both K East and K West Basins, spent nuclear fuel, sludge, debris, and water are removed.	03/31/2009	On schedule.

Significant Accomplishments and Status

Sludge Removal and Disposition

- Reached final cleanout of K East Basin Weasel Pit to allow inspection of concrete for cracks and installation of sludge collection container.
- Initiated installation of sludge collection container in K East Basin Weasel Pit.
- Approximately 22m^3 of K East Basin floor and pit sludge have been containerized (54%).
- Completed installation and initiated operation of K East Basin sludge flocculation system.
- All sludge collection containers for installation in K West Basin have been received.
- Hose-in-Hose (HIH) transfer hoses have been received that will be used to transfer sludge from K East Basin to K West Basin.
- Finalized HIH transfer line road excavations and ties ins to electrical grid.
- Finalized HIH transfer Startup Readiness Plan for the DOE Operational Readiness Review (ORR)
- Initiated pumping of sludge from K West Basin center bay to clear sludge for container installation.
- Completed 60% design review for K West Basin sludge retrieval and HIH transfer system from K West Basin to the Cold Vacuum Drying (CVD) Facility.
- Shipped second LDC of K East Basin North Load Out Pit (NLOP) sludge to T Plant on April 4, 2005.

Significant Accomplishments and Status

Debris Removal and Disposition

- Removed 300 aluminum canisters (approximately 94% complete) and 153 lids (approximately 33% complete) from the K West Basin.
- Removed 47 of 54 fuel storage racks from the K West center bay to make room for sludge containers.
- Removed long-handled pole tools no longer needed from K East/K West Basins.
- Resumed shipments of Ion Exchange Modules (IXMs) and debris to ERDF. Approval for fuel canisters is pending completion of suspect canister determination.
- Conducted two-day value engineering session to identify means to improve debris and sludge removal efficiency. Outcome includes initiatives in progress for increasing the ability to remove larger volumes of debris from the K East Basin with a shorter period of time and efforts to improve basin visibility. Schedule impact being analyzed now but some gains are expected.
- Received remotely operated underwater cutting system with a garnet collection system that will be used in size reduction of debris.
- Initiated hanging fuel storage racks in the K East Basin to improve access for sludge collection.

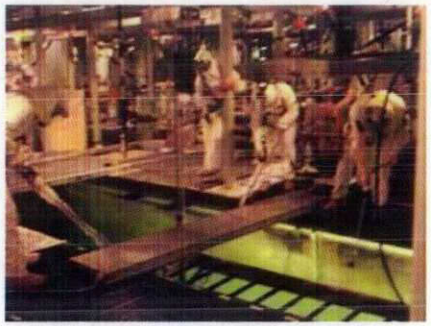
Significant Accomplishments and Status (continued)

K Basin Deactivation and Demolition

- Underwater concrete hydrolasing system:
  - *Completed hydrolasing head design*
  - *60% design complete for hydrolase spoils collection system*
  - *Completed preliminary hazards analysis*
- Inspected K West discharge chute and documented results
- K Basin End Point Criteria document transmitted to DOE-RL on April 15, 2005 for RL and EPA approval
- Making arrangements for a pre-solicitation meeting for prospective contractors for the removal of the K East Basin.
- Contractor has prepared Authorization Basis documentation changes for hydrolasing K East Basin and is in contractor internal review.
- Continued evaluating how to downgrade the nuclear safety classification of the K East Basin from a Hazard Category 2 to less than Hazard Category 3 nuclear facility; and evaluation of what transportation documentation is required for shipment of K East Basin monoliths to ERDF.
- Performed cold testing of hydrolase system at manufacturers facility.

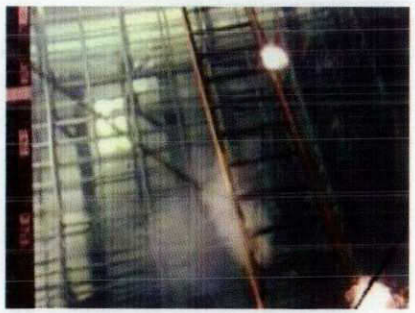
Significant Accomplishments and Status (continued)

Contamination control for rack removal



Radiological control technicians use instruments on poles to take radiation readings on fuel racks being taken apart.

Sludge plume rising from old fuel rack as it is rinsed in K West Basin



Old fuel rack being pressure washed under grating in K West Basin.

Rack removed from K West staged for disposal

Significant Accomplishments and Status (continued)

K East – K West transfer system hoses delivered to the K Basins Closure Project

Preparing to "splash" a debris basket in K East

Upcoming Activities

Fuel Removal

- Collect and stage "Found Fuel" and scrap fuel for removal. "Found fuel" being discovered.

Sludge Retrieval and Disposition

- Continue K East NLOP Sludge Removal into LDCs
- Install sludge containers in the K West Basin
- Begin transferring K East Basin floor sludge into the sludge containers in the Weasel Pit.
- Complete facility modifications at T Plant for the treatment and packaging of K East Basin NLOP sludge and initiate Operational Readiness Review (ORR)
- Perform in process design reviews of the "balance of sludge: treatment and packaging process
- Complete the design of the K West Basin to CVDF sludge HIH transfer system
- Install HIH transfer system to transfer containerized K East Basin sludge to K West Basin
- Incorporate planning revisions and conduct an ORR for HIH transfer system

Upcoming Activities (continued)

Debris Removal

- Continue removal of debris
- Continue removal and size reduction of racks once used for storage of fuel in the K West Basin
- Remove and size reduce debris for the K East Basin to support the planned demolition approach (i.e., grout and remove)

Deactivation

- Conduct a vendor information exchange forum on K East Basin demolition prior to initiating formal procurement action.

CERCLA and Regulatory Documentation

- Issue K Basin CERCLA ROD Amendment
- DOE-RL and EPA approval of the K Basin End Point Criteria document
- Initiate preparation of the remedial design report and remedial action work plan for balance of sludge treatment and packaging process, and the demolition of the K East Basin
- Transmit to DOE-RL and EPA various sampling and analysis plans for approval: (1) K East Basin monolith; (2) K East Basin concrete surface; and (3) K Basin debris (revision)

KBC Project Issues/Concerns

Programmatic Issues:

- Improve K East Basin water visibility
- Assess adequacy of sludge characterization data (DOE letter to DNFSB dated April 8, 2005)

Issue Resolution Status:

- Testing of a new type of IXM to demonstrate filtering efficiency is planned as part of larger effort to define basin water treatment system configuration prior to D&D and during D&D including water removal from the basin
- DOE is convening a review board to determine if an adequate technical basis exists to proceed with sludge treatment. Sludge review board convenes on April 26, 2005 with anticipated completion date by May 31, 2005.

Performance Measurement Terminology

BCWS (Budgeted Cost of Work Scheduled)

- BCWS represents the baseline budget for a scope of work over time. BCWS is normally combined with a term such as "Current Period" or "Fiscal Year to Date (FYTD)" to identify the time period the BCWS is associated with. BCWS is created by spreading the baseline cost estimate for a scope of work across its schedule activity duration based on the expected monthly level of activity. BCWS is the basis for the funding requested to perform a scope of work and is maintained through a documented change control process

BCWP (Budgeted Cost of Work Performed)

- BCWP represents the value of the work actually accomplished during a period based upon its budgeted value or BCWS. BCWP is a measure of the value of work based upon the physical work reported complete per the baseline schedule status update

ACWP (Actual Cost of Work Performed)

- ACWP represents the actual costs incurred to perform the work that was completed during a period and recorded as BCWP. For any particular period, ACWP includes accruals for costs not invoiced or booked associated with work that was performed during the period

SCHEDULE VARIANCE (SV)

- SV represents the difference between the work actually accomplished and the work planned or scheduled during any particular time period. (SV= BCWP-BCWS) A positive SV reflects an ahead of schedule situation while a negative SV reflects that work is behind the scheduled plan

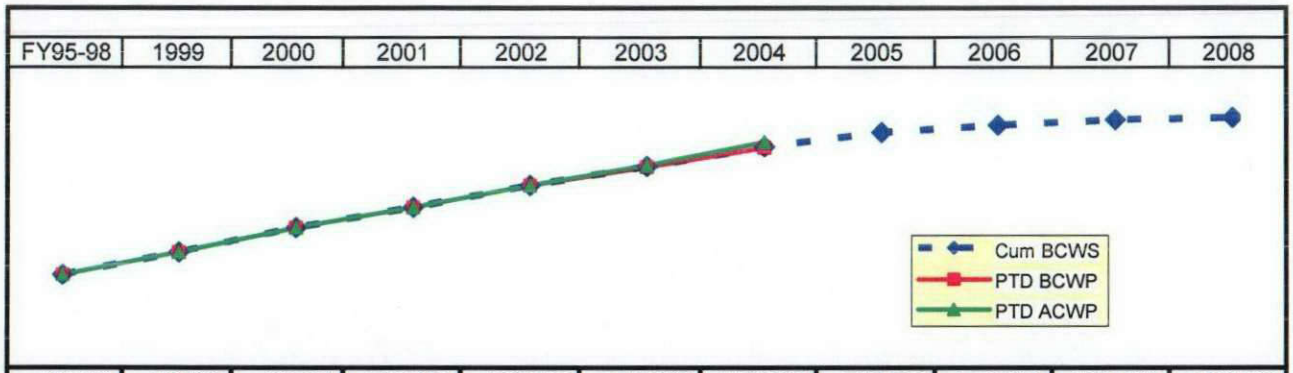
COST VARIANCE (CV)

- CV represents the difference between the budgeted value of the work actually accomplished and the actual costs incurred to perform the work. (CV=BCWP-ACWP) A positive CV reflects the work being accomplished for less than its budgeted value and a negative CV reflects the work costing more to complete than planned

BAC (Budget at Completion)

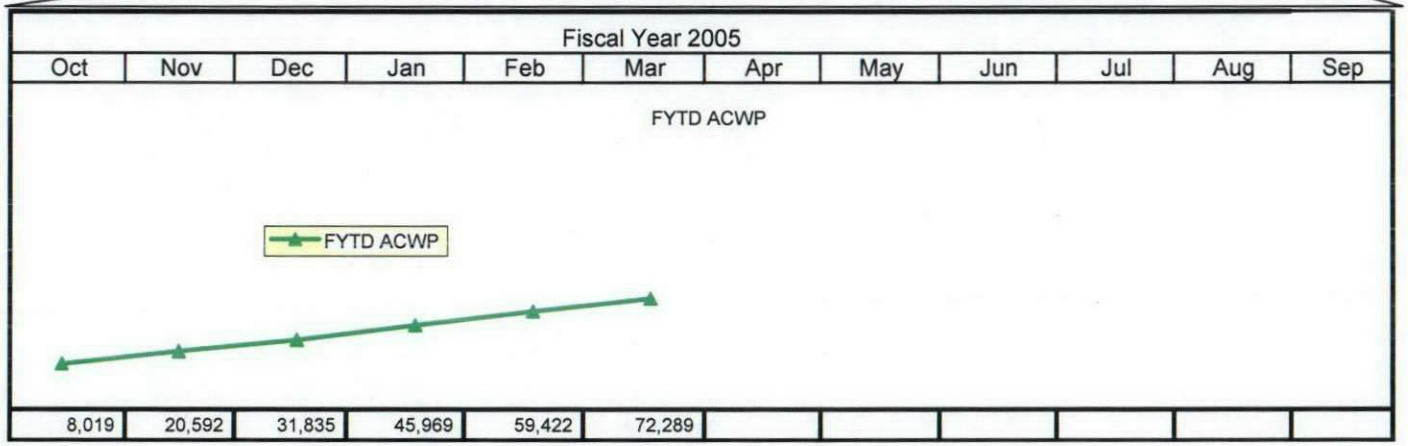
- BAC represents the total baseline budget for a scope of work associated with either a fiscal year or life cycle. BAC is the summary of all monthly BCWS values for a scope of work within the fiscal year or life cycle. On a fiscal year end report the FYTD BCWS will equal the FY BAC

KBC Project – Total Project Baseline



Life Cycle	
*BAC=	1,824,799
EAC=	1,880,018
BCWS=	1,642,056
BCWP=	1,632,823
ACWP=	1,695,647
SV=	(9,233)
CV=	(62,824)

	FY95-98	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Cum BCWS	533,003	718,798	920,091	1,086,852	1,268,535	1,424,719	1,584,317	1,704,733	1,762,066	1,807,571	1,824,799
PTD BCWS	533,003	718,798	920,091	1,086,852	1,268,535	1,424,719	1,584,317	1,642,056			
PTD BCWP	533,003	718,798	920,091	1,086,852	1,268,535	1,419,776	1,579,222	1,632,823			
PTD ACWP	533,003	718,798	920,091	1,086,852	1,268,535	1,431,581	1,623,358	1,695,647			
% Sch	29.2%	39.4%	50.4%	59.6%	69.5%	78.1%	86.8%	93.4%	96.6%	99.1%	100.0%
% Cmpl	29.2%	39.4%	50.4%	59.6%	69.5%	77.8%	86.5%	89.5%			
SPI	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99			
CPI	1.00	1.00	1.00	1.00	1.00	0.99	0.97	0.96			



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FYTD ACWP	8,019	20,592	31,835	45,969	59,422	72,289						

KBC Stabilization and Disposition
Project Performance through Second Quarter FY 2005

		($ in thousands) By PBS	FYTD ACWP
PBS RL-0012	Fuel and Operations	$	23,794
PBS RL-0012	Sludge Retrieval and Disposition	$	37,375
PBS RL-0012	D&D Deactivation	$	5,011
PBS RL-0012	Closure Services	$	6,109
	TOTAL	$	72,289

M-20 Milestone Review
Permits and Closure Plans

Presented by:

Tony McKarns
U.S. Department of Energy

April 26, 2005

Closure Plan Milestone Status

M-20-33 — 12/31/2005

Submit 216-A-10 Crib, 216-A-36B Crib, 216-A-37-1 Crib, and 207-A South Retention Basin Closure/Postclosure Plans to Ecology in coordination with the Feasibility Study for the 200-PW-2 Uranium-Rich Process Waste Group Operable Unit (coordinate under M-15-43C)

M-20-39 — 11/30/2005

Submit 216-S-10 Pond and Ditch Closure/Postclosure Plans to Ecology in coordination with the Feasibility Study for the 200-CS-1 Chemical Sewer Group Operable Unit (coordinate under M-15-39C)

M-20-54 — 12/31/2008

Submit 241-CX-70 Storage Tank, 241-CX-71 Neutralization Tank, 241-CX-72 Storage Tank, 241-CX Storage Tank Closure/Postclosure Plan to Ecology in coordination with the 200-IS-1 Tanks/Lines/Pits/ Boxes Operable Unit Work Plan Feasibility Study scheduled under
M-13-00M.

Current Milestone Status:

On schedule to meet milestones. The closure plan information will be integrated into the CERCLA remedial action documentation. DOE is actively working with EPA and Ecology on these integrations through the U Plant Waste Sites FFS and PP.

Planned Actions – next 6 months

- DOE and Ecology conclude workshops on existing unit-specific Permit documentation for new Permit.
- DOE submit new Part A forms for units to be included in the issuance of the new Hanford Facility RCRA Permit per Ecology letter of 1/20/05.
- DOE will submit the DST Part B Permit Application Rev 1.
- DOE and Ecology continue NOD workshops for the LLBG.
- DOE and Ecology negotiate a schedule to resubmit the T Plant Part B permit application.
- DOE and Ecology establish permitting path forward for CWC and WRAP.
- DOE submit groundwater monitoring plan for 1324-N Surface Impoundment and 1324-NA Percolation Pond.

Planned Actions – next 6 months (cont.)

- Ecology develop draft Hanford Facility RCRA Permit.
- Ecology respond to Class 1 modifications submitted for quarter ending 6/30/04, 9/30/04, 12/31/04, and 3/31/05.
- Ecology to issue final Part B permit for Integrated Disposal Facility (IDF).
- Ecology approve closure of the 1324-N Surface Impoundment and 1324-NA Percolation Pond.
- Ecology and DOE resolve comments on the closure plan for the 216-B-3 TSD unit, in conjunction with the CERCLA feasibility study for the 200-CW-1 and 200-CW-3 operable units.
- Ecology provide NOD comments for:
  - SST System Closure Plan, Revision 2
  - Immobilized High-Level Waste Storage Unit (IHLW) Part B permit application
- Ecology provide comments on the Draft Waste Encapsulation Storage Facility (WESF) Part B Permit Application, Revision 0.

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
Quarterly Presentation
April 26, 2005

Greg Sinton, RL Project Lead
Woody Russell, ORP Project Lead

Eric Van Mason, Ecology Lead

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
April 26, 2005

- Tri-Party Agreement requires that a Hanford Site Land Disposal Restrictions (LDR) Report be submitted annually by April 30 of each year
  - The annual LDR Report is a primary document subject to the terms and provisions of the Tri-Party Agreement
  - The CY 2004 LDR Report completes Tri-Party Agreement Interim Milestone M-026-01O
  - Ecology will have 45-days to review and approve the document
- PMMs continue to be an effective tool for dialogue and as a venue to resolve outstanding actions
  - One action remains open from the March 14, 2002, Settlement Agreement (Consolidation of Requirements Document)
  - Issues or concerns identified during the conduct of workscope or outyear activities are statused during the PMMs

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
April 26, 2005

Actions Planned for Next Six Months

- Submit the CY 2004 LDR Report by April 30, 2005 (M-026-01O)
- Ecology has 45-days to review and approve the CY 2004 LDR Report (mid-June 2005)
- Continue the monthly PMMs focusing on requirements consolidation and PMM commitments/actions

CENTRAL PLATEAU MILESTONE REVIEW

Tri-Party Agreement

U.S. Department of Energy
U.S. Environmental Protection Agency
State of Washington, Department of Ecology
2nd Quarter FY05
April 26, 2005

FACILITIES AND WASTE SITE REMEDIATION

272U Building Demolition

U Zone Crib Characterization

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
M-013-00	**Submit Work Plans for RI/FS or RFI/CMS Studies**		
M-013-00C	12/31/04	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan for the 200-SW-2 OU	Agreement Reached for Document Update
M-015-00	**Site Investigations / Feasibility Studies**		
M-015-46A	10/31/05	Submit 200 Area Chemical Laboratory Waste OUs RI Report	On Schedule
M-015-39C	11/30/05	Submit Draft A 200-CS-1 Chemical Sewer Group FS and Proposed Plan	On Schedule
M-015-43C	12/31/05	Submit 200-PW-2 OU Feasibility Study/Proposed Plan & Permit Mod	On Schedule
M-15-44A	12/31/05	Submit 200-MW-1 OU Remedial Investigation Report	On Schedule
M-015-45A	06/30/06	Submit Plutonium/Organic-Rich OU Remedial Investigation Report	On Schedule
M-015-46B	09/30/06	Submit 200 Area Chemical Laboratory Waste OUs FS	On Schedule
M-015-44B	12/31/06	Submit 200-MW-1 OU Feasibility Study and Proposed Plan	On Schedule
M-015-45B	09/30/07	Submit Plutonium/Organic-Rich OU Feasibility Study and Proposed Plan	----
M-015-00C	12/31/08	Complete 200 Area Non-Tank Farm OU Pre-ROD Site Investigations	----
M-015-00	12/31/08	Complete RI/FS (or RFI/CMS) Process for all Operable Units	----
M-016-00	**Remedial Design / Remedial Action**		
M-016-67	03/31/07	Submit Design Report, Schedule, and Work Plan for 618-10 and 618-11	----
M-016-00	09/20/24	Complete Remedial Actions for all Non-Tank Farm Operable Units	----
M-020-00	**Submit Closure Plans for all RCRA TSD Units**		
M-020-39	11/30/05	Submit 216-S-10 Pond and Ditch Closure Plan to Ecology	On Schedule
M-020-33	12/31/05	Submit 216-A-10/216-A-36B/216-A-37-1 Crib Closure/Post Closure Plans	On Schedule

Project Manager's Assessment

- Environmental – Good
- Safety – Good
- Budget – Concern
- Schedule – Good

Significant Accomplishments

- Submitted 200-UW-1 Rev. 0 Feasibility Study and Proposed Plan to Ecology (April 1, 2005).
- Gained conditional approval of 200-UW-1 Rev. 0 Sampling and Analysis Plan.
- Provided the 200-UR-1 Rev. 0 Work Plan informally. Ecology has requested formal transmittal with comments incorporated.
- Completed 26 shallow characterization boreholes at 200-UW-1, one borehole at 216-T-33, one vertical well at 216-Z-9, and one vertical well at 216-Z-7 between January 25, 2005 and March 16, 2005.
- Reached agreement on the revision of the 200-SW-1/ 200-SW-2 Work Plan.

Significant Accomplishments (continued)

- Completed U Plant Canyon Disposition Initiative (CDI) public comment period January 31, 2005.
- Removed seven of ten structures at U Plant Ancillaries from January 19, 2005 to March 31, 2005.
- Initiated additional geophysical characterization (high resolution resistivity) of the BC Cribs and Trenches on March 10, 2005.
- Initiated ecological sampling for Central Plateau ecological risk assessment.
- Received verbal approval from WDOH for B-Plant stack downgrade from major to minor status (formally approved last year by EPA).
- Continued 209-E Facility ALARACT demonstration.

Planned Activities

Next 6 Months

- Continue Ecological sampling for CP ecological risk assessment.
- Submit schedule to revise the 200-SW-2 Work Plan (June 2005).
- Plan non-intrusive sampling for 200-SW-2 (DQO, sampling instructions, field work).
- Conduct 200-PW-1 carbon tetrachloride dispersed vadose zone plume remedial investigation field activities (e.g., passive soil vapor surveys).
- Prepare draft RI report and field characterization borehole summary report for 200-LW-1 and 200-LW-2 OUs.
- Complete characterization sampling of remaining 200-MW-1 representative waste sites (i.e., 200-E-4 French Drain, 216-A-4 Crib, and 216-T-13 Trench).

Planned Activities

Next 6 Months (continued)

- Prepare draft RI report and field characterization borehole summary report for 200-MW-1 OU.
- Address Ecology comments on 200-PW-2/200-PW-4 RI and 200-CS-1 RI reports and issue Rev. 0, targeted for April 2005 and June 2005, respectively.
- Resolve Ecology and RL 200-IS-1 Work Plan issues, initiated April 2005.
- Independent technical review of potential Tc-99 treatment technologies April 26 – 28, 2005; report will be issued 30 days after the review is concluded.
- Complete additional BC Cribs and Trenches geophysical characterization (high resolution resistivity) and associated ground truthing in May 2005.
- Submit BC Cribs and Trenches Sampling & Analysis Plan, Proposed Plan, and Feasibility Study to EPA in May 2005.

Planned Activities

Next 6 Months (continued)

- Obtain U Plant Canyon Disposition Initiative (CDI) ROD by July 2005.
- Complete demolition of ten U Plant Ancillary structures by July 2005, eight months ahead of schedule.
- Submit 200-UW-1 SEPA checklist to support the 216-U-12 Crib RCRA TSD unit closure plan to Ecology in April 2005.
- Obtain 200-UW-1 ROD by August 2005
  - Completed 30-day pre-notification of public comment period
  - Public Comment period May 9, 2005 to June 23, 2005
  - Public Hearing scheduled for June 2, 2005
- Submit 200-UW-1 RDR/RAWP to Ecology in August 2005.

Planned Activities

Next 6 Months (continued)

- Resolve EPA, USGS, and Ecology comments on Draft A of the Feasibility Study and Proposed Plan for the 200-CW-5, 200-CW-2, 200-CW-4, and 200-SC-1 Operable Units.
- Complete 209-E ALARACT demonstration by July, 31, 2005 to confirm minor stack status.
  - Resolve Unreviewed Safety Question (USQ) evaluation on nominal inventory - due April 29, 2005.
- Finalize facility binning designations for Central Plateau structures. Also establish the method and schedule for transitioning facilities in Surveillance & Maintenance to CERCLA designation.
- Reach a common understanding for documentation and reference of the Central Plateau "Core Zone" physical boundary and definition.

Facilities and Surveillance
Schedule/Cost Performance FYTD Status ($000s)
(as of 04-01-05)

	BCWS	BCWP	ACWP	SV	CV	BAC
Closure Strategy	288.2	269.5	247.6	-18.8	21.9	803.3
4.1.1.2 - Balance of 100 Area Facilities Cleanup	0.0	0.0	1.9	0.0	-1.9	0.0
4.1.2.1.1 - U Plant	4,963.2	6,602.0	3,374.7	1,638.8	3,227.3	10,090.8
4.1.2.1.2 - Plutonium Concentration Facilities	0.0	0.0	78.0	0.0	-78.0	0.0
4.1.2.1.3 - Balance of Canyon and Other Facilities	0.0	0.0	8.0	0.0	-8.0	0.0
4.1.2.4 - Balance of 200 Area Facilities Cleanup	82.2	181.9	52.9	99.7	129.1	81.6
4.1.4.2 - Balance of 400 Area Facilities Cleanup	0.0	0.0	0.5	0.0	-0.5	25.9
4.1.5.1 - 600 Area Facility Cleanup	0.0	89.6	0.0	89.6	89.6	0.0
D&D	5,045.4	6,873.5	3,515.9	1,828.1	3,357.7	10,198.3
PM&S	3,846.4	3,846.4	3,086.9	0.0	759.5	7,978.8
4.1.1.4 - 100 Area Surveillance and Maintenance	23.5	23.6	8.8	0.1	14.9	49.0
4.1.2.6 - 200 Area Surveillance and Maintenance	3,921.0	3,667.6	3,769.6	-253.4	-102.0	8,593.2
4.1.3.3 - 300 Area Surveillance and Maintenance	0.0	0.0	0.0	0.0	0.0	0.0
4.1.4.4 - 400 Area Surveillance and Maintenance	3.4	3.8	5.4	0.3	-1.7	7.4
4.1.5.3 - 600 Area Surveillance and Maintenance	63.7	65.2	24.1	1.5	41.1	132.9
S&M	4,011.6	3,760.2	3,807.9	-251.4	-47.7	8,782.5

Waste Site Remediation
Schedule/Cost Performance FYTD Status ($000s)

	BCWS	BCWP	ACWP	SV	CV	BAC
4.1.1.3 - 100 Area Waste Site Cleanup	0.0	0.0	3.8	0.0	-3.8	0.0
4.1.2.5.1 - 200 NPL Common Source Assessment	753.5	930.6	916.2	177.1	14.4	1,686.1
4.1.2.5.10 - 200-IS-1 Tanks/Boxs/Pits/Lines Group	293.3	24.4	77.2	-268.9	-52.8	1,342.5
4.1.2.5.11 - 200-UR-1 Unplanned Releases Waste Group	0.0	52.7	67.0	52.7	-14.3	0.0
4.1.2.5.12 - U Plant Regional Closure	2,272.1	1,107.2	1,651.8	-1,164.9	-544.6	4,829.8
4.1.2.5.13 - B/C Cribs & Trenches Area Remediation	554.9	604.6	653.9	49.7	-49.4	2,218.9
4.1.2.5.14 - 200-LW-1 200A Chem Lab Waste Group	178.6	474.3	1,217.4	295.7	-743.1	259.4
4.1.2.5.15 - 200-MW-1 Misc. Waste Group	189.1	521.3	810.7	332.2	-289.4	293.6
4.1.2.5.16 - 200-SW-1 Non-Radioactive Landfills & Dump Group	36.7	90.7	124.9	54.0	-34.2	861.2
4.1.2.5.19 - Burial Ground Sampling & Analysis	354.3	188.9	68.5	-165.4	120.4	403.9
4.1.2.5.2 - 200-BP1-1 Hanford Prototype Barrier	15.0	11.2	26.4	-3.8	-15.2	31.1
4.1.2.5.20 - RL-0040 Misc. Adjustment Acct.	0.0	0.0	0.0	0.0	0.0	0.0
4.1.2.5.3 - 200-CS-1 Chemical Sewer Group	220.8	107.8	51.1	-113.0	56.7	344.0
4.1.2.5.4 - 200-CS-1 Chemical Sewer Group (Cap)	0.0	0.0	0.0	0.0	0.0	0.0
4.1.2.5.5 - 200-CW-1 Gable Mtn/B Pond CWG	44.5	0.3	3.6	-44.2	-3.3	64.9
4.1.2.5.6 - 200-CW-5 U Pond/Z-Ditches CWG	21.7	36.9	68.3	15.2	-31.4	104.8
4.1.2.5.7 - 200-PW-1 Pu-Rich Waste Group	1,159.0	328.7	393.6	-830.4	-64.9	2,295.5
4.1.2.5.8 - 200-PW-2 Uranium-Rich Process	341.6	404.9	818.5	63.3	-413.5	447.3
4.1.2.5.9 - 200-TW-1 Scavenged Waste Group	42.1	0.3	6.1	-41.8	-5.7	93.1
4.1.2.5 - 200 Area Waste Site Cleanup	6,477.2	4,884.8	6,955.3	-1,592.4	-2,070.4	15,376.1
4.1.5.2 - 600 Area Waste Site Cleanup	0.0	4.9	37.9	4.9	-33.0	0.0
Waste Sites	6,477.2	4,889.7	6,997.0	-1,587.5	-2,107.3	15,376.1
Grand Totals	19,669.0	19,639.4	17,655.3	-29.6	1,984.1	43,139.1

12

Issues

Regulatory Issues

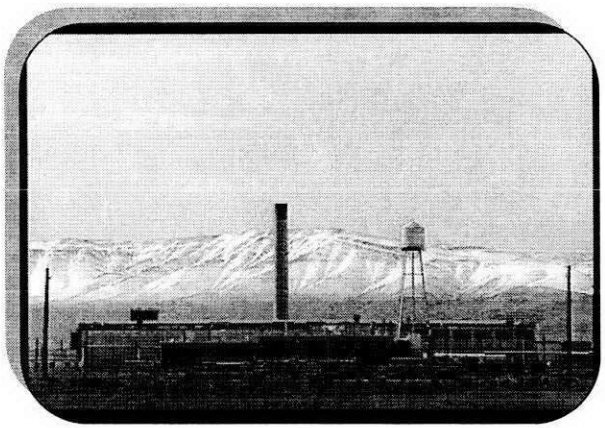
- EPA and WDOH action needed for the downgrade of the PUREX stack from major to minor status
  - Provided additional data to the regulators on March 11, 2005
  - Additional funding will be required in FY 2006 and beyond if PUREX stack is operated as a major stack
- Non-closure on decision logic/criteria, and on key technical and policy issues affecting waste site remedial alternative selection:
  - ✓ disposition path for transuranic contaminated soils
  - ✓ viability of long-term institutional controls
  - ✓ the role of inadvertent intruder exposure scenarios
  - Continue collaborative discussions and foster open communication
- Consensus on Waste Sites ROD Strategy, and if needed, realign Tri-Party Agreement milestones

Issues (continued)

Non-Regulatory Issues Potentially Impacting TPA Milestones

- Staff resources continue to be challenged with the potential to delay the review of documents
  - Agencies will continue to communicate on balancing highest priority work with available/existing resources
- Alignment between RL/Ecology on the timing/phasing for U Plant underground pipeline remediation
  - Coordinating approach with 200-IS-1/200-ST-1 discussions and path forward
- Balancing site priorities, funding profiles, and work-force restructuring challenges remediation momentum.

PFP Closure Project



Milestone

TPA-M-83

April 2005
Tri-Party Agreement Milestone
Status Report

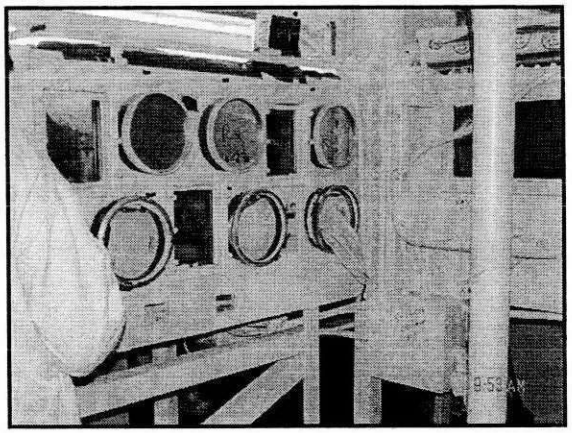
Ecology Project Manager - R. Bond
DOE-RL Project Director – S. Charboneau
FH Project Manager – D. B. Klos
FH Environmental – A. M. Hopkins

M-83 Status for Interim Milestones Through 2006 (as of 3/30/05)

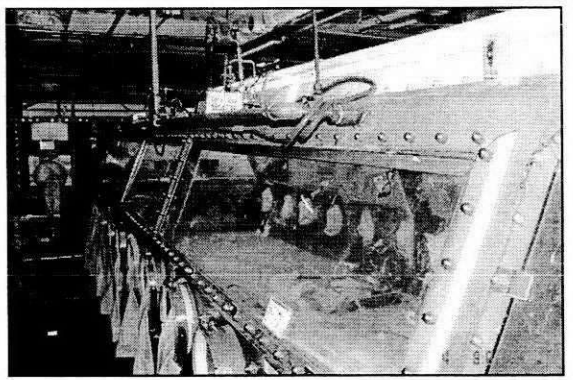
TPA No.	TPA Commitment Date	Milestone Title	Status
M-083-31	6/30/05	DISCONTINUE WASTE DISCHARGES FROM THE 241-Z TANKS TO TANK FARMS	***Complete***
M-083-14	9/30/06	COMPLETE 100% OF THE LEGACY PU HOLDUP REMOVAL	Ahead of Schedule
M-083-40	9/30/06	COMPLETE TRANSITION AND DISMANTLEMENT OF 232-Z BLDG INCINERATOR	Ahead of Schedule

Major Accomplishments

- Legacy Holdup is 75% complete
- Completed decontamination of seven glovebox/hoods to low level waste (LLW) criteria bringing the total to 21 decontaminated to LLW
- The Washington State Department of Ecology
  - Accepted the closure certification of the HA-20MB Glovebox; and
  - Provided concurrence that Interim Milestone M-083-31, "Discontinue Waste Discharges from the 241-Z Tanks to Tank Farms Via Existing Lines", was complete
- Demolition of the 2904-ZA facility
- Initiated loading of product receiver (PR) cans in Standard Waste Boxes (SWBs)

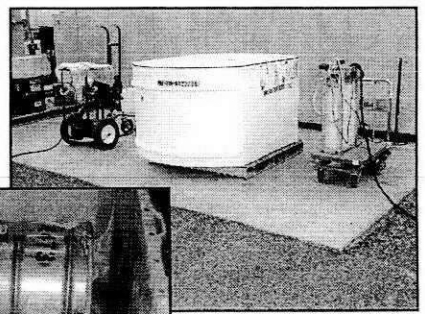


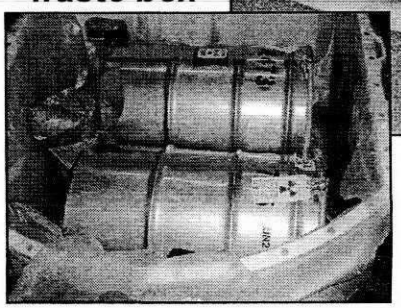
HA-9E



HA-20MB

First PR cans being loaded into standard waste box





Planned Activities

- Remove 232-Z glovebox
- Complete characterization of three 241-Z cells/tanks
- Continue Legacy Holdup
- Continue glovebox and hood decon to LLW in 234-5Z
- Make initial entry into 242-Z
- Receive Super HENC and calibrate for Safeguards counts
- Initiate shipment of Standard Waste Boxes (SWBs) to CWC
- Initiate Pencil Tank Removal
- Final approval of the Action Memo for the Above Grade Structures and supporting documents (SAP, RAWP, etc.)

Schedule / Cost Performance
Fiscal Year to Date Status ($000s)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance $	Cost Variance $	Budget At Completion
RL-11 PFP Closure Project	$83.0	$72.9	$72.9	($10.1)	$0.0	$177.4
Closure Services	$14.9	$14.9	$14.8	$0.0	$0.1	$30.1
TOTAL	$97.9	$87.8	$87.6	($10.1)	$0.2	$207.4

Status through March 2005 month end

PHMC Schedule / Cost Performance
Fiscal Year to Date Status

FYTD Schedule Variance ($10.1M):

- The unfavorable schedule variance is due to, 232-Z D&D activities impacted by higher than anticipated volume of loose debris and requirements for process equipment removal, 241-Z cover block issues and recovery actions, design/constructability issues associated with PRF pencil tank removal.

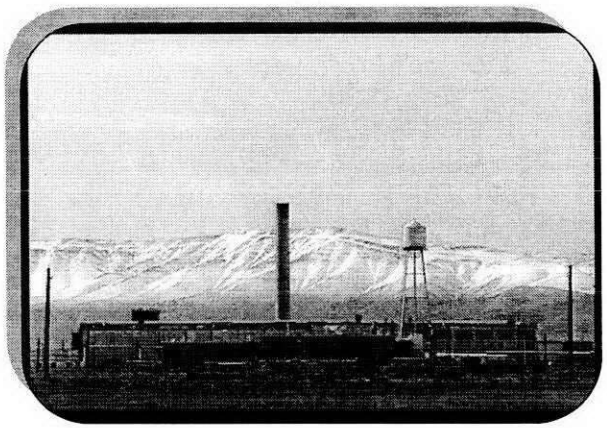
FYTD Cost Variance $0.2M:

- Favorable cost variance due to use of existing lab team to accelerate process equipment removal activities, only partial costs received for disposition of waste through March and reduction in Ops Support staff (staff awaiting clearance loaned to other projects). Positive Variance is offset by continued increased costs for 232-Z and 241-Z and use of overtime to recover schedule.

Issues

- **Regulatory Issues:**
  - Schedule for facility transition will be revised.
- **Non-Regulatory Issues:**
  - Direction on SNM Storage

PFP Closure Project



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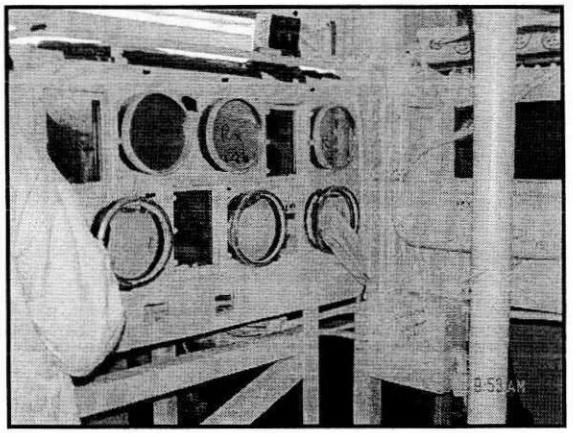
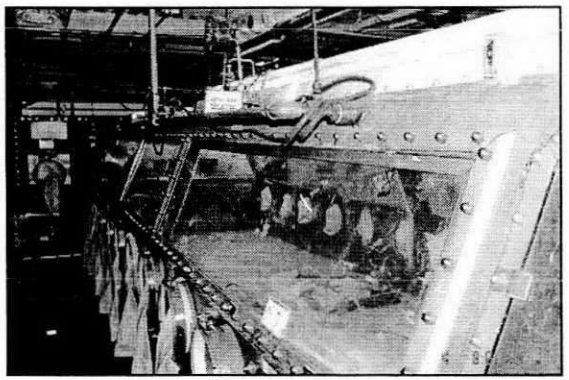


HA-9E



HA-20MB

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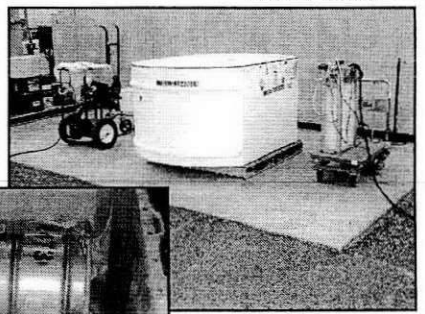

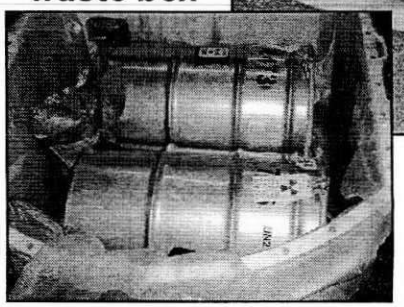

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Issues

- **Regulatory Issues:**
  - Schedule for facility transition will be revised.
- **Non-Regulatory Issues:**
  - Direction on SNM Storage

Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

U.S. Department of Energy,
Richland Operations Office

April 26, 2005

Tri-Party Agreement M-91 Milestone Series
Quarterly Presentation

Significant Accomplishments of Last Three Months:

- Thermal treatment treatability tests were conducted in March at PEcoS on both the thermal desorption unit and the plasma treatment system using Hanford waste.
- Thermal treatment at Permafix continued
- Retrieved 255 m^3 of RSW since the last quarterly report (1/24/05-4/19/05), bringing the total to 2110 m^3 as of 4/19/05
- Finalized 218-E-12B SAP (Ecology approval 1/20/05)
- Treated 374m^3 of M-91-42 MLLW (Jan-Mar), bringing the total to 3729 m^3 as of 3/31/05.

M-91 Status Summary 4/20/05

Milestone	Due Date(s)	Status Summary	Comments
General Comments			1) In this current table "On-Schedule" means it is anticipated the milestone will be met. 2) M-91 requirements are extensive and continue well out into the future. This status table will generally only cover items due within about the next three years. A separate "Outyear table" identifies the other M-91 milestones.
M-91-03: Submit TRUM/MLLW PMP	12/31/03, 3/31/09, 3/31/13	On Schedule	• M-91-03 PMP approved by Ecology on May 12, 2004
M-91-05-T01: Complete RH and or large TRUM retrieval Engineering Study/FDC	12/31/07	On Schedule (planning)	
M-91-12: CH-MLLW Thermal Treatment (600 m^3 cumulative)	11/16/07	On Schedule	175 m^3 of CH-MLLW have been thermally treated as of the end of March that will count toward the M-91-12/12A milestones. This does not include the PEcoS treatability test volume.
M-91-12A: CH-MLLW Thermal Treatment (240 m^3)	9/30/05	On-Schedule	• See M-91-12 comments • PEcoS completed treatability testing of the plasma treatment system on 10 drums of Hanford labpacks testing of the vacuum thermal desorber unit using an additional 10 drums. The data package for the tests were provided to FH on April 1 and are currently being validated. Assuming results are satisfactory FH will begin preparations to send additional waste to PEcoS.

M-91-40: Retrieval and designation of CH-RSW (regardless of size)	2700 m^3 cumulative retrieved by 12/31/05 and annual retrieval volumes through 2010 plus various other requirements	On Schedule	• The quarterly SAP report for October through December was sent to Ecology February 16. (No new data). • 218-E-12B SAP was approved by Ecology January 20, 2005. • 218-W-3A and W-4B SAPs in preparation. • 2110 m^3 of RSW retrieved as of 4/19/05. • Ecology started an M-91 inspection of the LLBG 2/23/05 associated with the retrieval process and the first M-91-40 increment completion letter. The last site visit was March 30. Awaiting close-out. • SAP to support implementation of the removal action workplan for disposition of the non-TRU fraction of RSW in ERDF was approved by EPA March 7. Disposal of secondary waste from retrieval in ERDF is expected to start the week of April 25.
M-91-42: Treatment of non-large size CH-MLLW	Annual treatment requirements through 12/31/09	On Schedule (or ahead of schedule)	• 3729 m^3 of the MLLW subject to this milestone (MLLW-2 through MLLW-10 excluding MLLW-7) has been dispositioned as of the end of March. (3260 m^3 required by 12/31/05) • An incremental completion letter to Ecology for the 3260 cubic meters was sent to Ecology 3/9/05. • Note: The M-91-42 progress quantity indicated above currently only includes waste dispositioned by FH. The actual progress numbers may be slightly higher due to waste subject to the milestone treated by other contractors. These numbers are from the M-91 tracking system and have not yet been validated. • Ahead of schedule due to successful 183-H project. • The cumulative volumes toward meeting this milestone are based on a start date of 12/31/02 (CY 2002 LDR report inventory date).

M-91-45: RH and or Large Size Waste Annual Report	9/30/04 and annually thereafter	On Schedule	• The 2004 report was submitted to Ecology 9/30/04
M-16-93: Submit implementation workplan for acquisition of capabilities necessary to prepare TRU/M waste generated by CERCLA clean-up actions at Hanford for disposal at WIPP	9/30/2006	On Schedule (Planning)	• The date of this milestone seems somewhat early. It may be better to align it with the M-15-00 12/31/08 complete RI/FS for all operable units milestone.

Fn: M-91 PMM Status table4-20-05

M-91 Out-year Milestone Status Summary 4/20/05

Milestone	Due Date(s)	Status Summary	Comments
General Comments			1) This table is intended to identify the M-91 milestones that are not covered in the more detailed near term M-91 Status Summary Table. These milestones are generally those with due dates three or more years in the future.
M-91-00: Major Milestone for acquisition of needed facilities/capabilities for mixed and suspect MLLW, and TRUM and suspect TRUM.	TBD	On Schedule (planning)	
M-91-01: Facility/Capability Interim Milestone (RH and/or large container TRUM)	6/30/12	On Schedule (planning)	
M-91-15: RH MLLW and/or Large Size MLLW Treatment	6/30/08	On Schedule (Planning)	"COMPLETE ACQUISITION OF FACILITIES AND/OR CAPABILITIES AND INITIATE TREATMENT OF RH-MLLW AND CH MLLW IN BOXES AND LARGE CONTAINERS" • Starting engineering study for dealing with CH large size MLLW. Expect to complete study by 9/30/05
M-91-41: Retrieval and Designation of RH RSW (regardless of size)	See Comment column	On Schedule (Planning)	• 1/1/11: Initiate retrieval of RH RSW • 12/31/14: Complete non-caisson RH RSW retrieval • 12/31/18: Complete 4B RH RSW retrieval
M-91-43: Designation and treatment of RH and or Large Size MLLW	See Comment Column	On Schedule (Planning)	• 12/31/08: Complete designation of RH MLLW and or Large Size MLLW in storage. • 6/30/08: Begin RH and or large size MLLW treatment at rate of 300 cubic meters per year

			• Treated 50.4 m^3 of MLLW-07 in March, bringing the total since 12/31/02 to 99.7 m^3
M-91-44: Designation of Newly Generated and Stored RH and or Large Size Transuranic Waste	See Comment Column	On Schedule (Planning)	• Designate all RH and or large size transuranic waste in storage by 12/31/12

Fn: M-91 PMM Status Table Outyears4-20-05

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Actions Planned for Next Six Months

- Continue with MLLW treatment, RSW retrieval, and waste processing on schedule
- Continue thermal treatment at both Permafix and PEcoS to meet TPA milestone M-91-12A
- Begin disposal of non-TRU retrieval waste in ERDF
- Complete engineering study for processing of large size CH MLLW (9/30/05)
- Complete annual M-91-45 RH/large size waste progress report (9/30/05)
- Finalize 218-W-4B and 218-W-3A SAPs
- Submit SAP quarterly reports

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Issues

- None