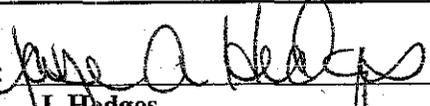
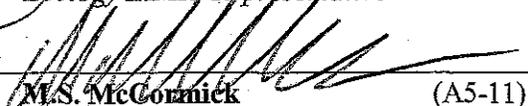


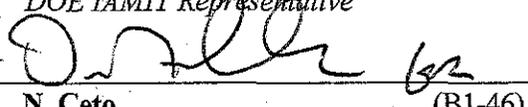
**Central Plateau
Tri-Party Agreement Milestone Review
Meeting Minutes
April 20, 2006**

Approval: 
J. Hedges (H0-57)
Ecology IAMIT Representative

Date: 7/20/06

Approval: 
M.S. McCormick (A5-11)
DOE IAMIT Representative

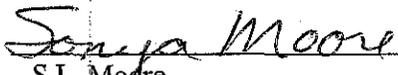
Date: 7/20/06

Approval: 
N. Ceto (B1-46)
EPA IAMIT Representative, Chairperson

Date: 7/20/06

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Minutes Prepared by:


S.L. Moore (H8-40)
Fluor Hanford, Inc.

Date: 7-24-06

EDMC

Ayres, J.M.	Ecology	H0-57	Jackson, D.E.	RL	A4-52
Bartus, D.	EPA	H0-57	Jim, R.	Yakama*	
Bond, R.	Ecology	H0-57	Lutz, K.	HQ	A7-75
Bohnee, G.	NPT		Mattlin, E.M.	RL	A5-11
Boyd, A.	Ecology	B1-46	McCormick, M.S.	RL	A5-11
Cameron, C.E.	EPA	B1-46	McKarns, A.C.	RL	A5-15
Ceto, N.	EPA	B1-46*	Miskho, A.G.	FH	H8-40
Chalk, S.E.	RL	A7-75	Morrison, R.D.	FH	H8-12*
Charboneau, B.L.	RL	A6-33	Moy, S.K.	RL	A6-38
Charboneau, S.L.	RL	A5-11	Niles, K.	OOE*	
Cimon, S.	ODE		Piippo, R.E.	FH	H8-12*
Cusack, L.	Ecology	H0-57*	Price, J.	Ecology	H0-57
Ensign, P.G.	RL	A7-89	Roddy, F.M.	RL	A6-39
Faulk, D.A.	EPA	B5-01	Romine, L.D.	RL	A6-33
French, M.S.	RL	A6-38	Russell, R.W.	ORP	H6-60
Frey, J.A.	RL	A5-13	Skinnarland, E.R.	Ecology	H0-57
Fritz, L.L.	FH	H8-12	Simmons, F.M.	FH	H8-40
Gadbois, L.E.	EPA	B1-46	Sinton, G.L.	RL	A6-38
Gallagher, R.G.	FH	H5-20	Thompson, K.M.	RL	A6-38
Harris, S.	CTUIR*		Thompson, S.A.	FH	H8-12
Hebdon, J.B.	RL	A5-15	Wise, B.K.	FH	B3-30
Hedges, J.	Ecology	H0-57	Wolf, A.	DTUIR	
Henry, D.	OOE*		Administrative Record		H6-08*
Hopkins, A.M.	FH	H8-25			
Horst, L.	OOE*				

*w/Attachment

**Central Plateau
Tri-Party Agreement Milestone Review
Meeting Minutes
April 20, 2006**

M-083-00A, Complete PFP Facility Transition and Selected Disposition Activities.

Accomplishments

Completed dismantlement of all inner structures of the 232-Z incinerator, including removal of the ventilation system. This facility will be downgraded from a Category 3 facility and will be turned over to demolition crews next month.

Initiated plasma arc cutting in 241-Z and made entries to clean out the heel of that tank. Will perform this same work in D-5.

Consolidation shipments are planned to start in 2007. Ecology asked how much has been spent on activities to support long term interim storage. DOE responded that, along with activities for other security upgrades, approximately \$2M. The facility has been put into a condition so that it could be used in the future if necessary.

Pie-plating is on-going to put the facility in lay-up condition. The delay in decontamination and decommissioning (D&D) activities pushes the need to get into these gloveboxes to 2010-2011. Pie-plating allows for a reduction in preventive maintenance on the gloveboxes.

Continue shipping solution containers to Central Waste Complex (CWC). There are 255 drums shipped so far, but the project is evaluating a different path forward; i.e., separating TRU from low level waste for the FL-10 containers. There is a potential to ship to Idaho, but plan to continue with the work scope currently approved to complete this activity. Have shipped 54 VIPAC pins to CWC.

Planned Activities

As part of RCRA closure activities scheduled for this FY and CERCLA activities next FY, gloveboxes will be removed in 241-ZG. As a security enhancement, the project will complete demolition of 241-Z-RB Retention Basin. The basin has been grouted and a cap needs to be put in place. The planning baseline date for 241-Z completion is 7-31-06.

Will continue work on the Below Grade Engineering Evaluation/Cost Analysis (EE/CA) while the people knowledgeable of the facility structures are still available. This EE/CA addresses the below grade structures rather than the soils, although there will be some interfacing. The goal is to complete the EE/CA and turn the documentation over to PBS-0040, Central Plateau D&D.

The EE/CA will be completed but not put out for public comment. The information will be used to develop the future Record of Decision (ROD). The EE/CA is required for completion of Milestone M-083-22.

Cost and Schedule

There is a \$1M positive schedule variance due to a carry over from FY05 eliminating a significant amount of D&D scheduled to be done this year. However, eliminating 75-80% of the work in D&D for FY06 left only the high risk work to be completed. The cost estimates for operational support and consumables associated with this high risk work were low, resulting in a \$2M negative cost variance. The forecast for this year looks to end up in the black.

Regulatory Issues

There is an action memo internal to DOE that would allow a waiver to the 2005 Design Basis Threat for the PFP facility, with plutonium shipments from Hanford to an off-site facility. The decision for the action memo is at the Under Secretary level.

A meeting is scheduled with the Office of Secure Transport to discuss Hanford shipments moving from priority 3 to priority 2. There don't appear to be any barriers. An implementation plan for consolidation of plutonium should be issued by the consolidation committee in July. The Supplemental Addendum to the ROD for this activity will depend on the Under Secretary's approval of the action memo waiver above.

A decision has to be made by 12-06 in order to start shipments by 3-07. The ability to ship this fuel does require an update to their authorization basis. Also, facility improvements are not necessary based on preliminary safety analysis and fire analysis. Additionally, it is favorable for them to accept our fuel as is.

Green FFTF fuel will not go into 3013 containers, but is planned to be shipped off-site as is. The slightly irradiated fuel will go to the Canister Storage Building (CSB).

M-026-01, Submit an Annual Hanford Land Disposal Restrictions Summary Report.

Change Request M-26-05-01, approved 1-4-06, allows submittal of a summary report this year in lieu of the full report as a pilot activity. The summary report consists of tables that consolidate the highlights of the full report. The report has been transmitted to DOE and will be sent to Ecology for concurrence. A decision by 7-06 is planned regarding preparation of the summary report with a full report due at some interval (e.g., every five years).

M-091-00, Complete the Acquisition of New Facilities, Modification of Existing Facilities, and Modification of Planned Facilities.

Significant Accomplishments

The project has been retrieving metal boxes rather than drums. This has not slowed the process down.

Based on the M-91 milestone update to implement the contingent milestones, the M-91-03 Project Management Plan (PMP) requires an update by 8-06, however the parties have agreed to move this date to 9/30/06 to coincide with the M-91 Functional Design Criteria (FDC) report and the M-16-93 implementation workplan.

There is a monthly meeting to talk about ideas and what direction to proceed on 618-10 and 11. RL expressed concern about generated waste forms that are extremely difficult to deal with and intends to carefully integrate the process between contractors to avoid this potential problem in the case of 618-10/11. The PMP and CERCLA integration plans should assist in this process.

M-091-15 – DOE has proposed a phased approach but this plan has not been well received by Ecology. There is some concern that the planning for 2008 has not taken into account some additional issues, which could impact maintaining the schedule, and whether all capabilities will be available. Ecology indicated it is important to make sure the status is reported based on the current milestone language and not the proposed language. Based on that discussion it was agreed that this milestone should be reported as “At Risk”. This would provide the visibility to the issue to elevate it for resolution as needed.

M-091-40 – Slightly behind schedule but getting back on track; believe the schedule for 12-31-06 will be met. Sampling plans are being finalized. Waste is being sent to PEcoS for treatment prior to disposal at Environmental Restoration Disposal Facility (ERDF). There have been discussions regarding retrieval sequence; a letter is in preparation to address concurrent retrieval.

M-091-42 – Mixed waste treatment is going well but the transuranic mixed (TRUM) certification is behind schedule. Ecology indicated that the status report should reflect that the contingent milestone of having shipped 1800 m³ by 12-05 was missed. At that time 1346 m³ had been shipped. The next contingent milestone is to have 3000 m³ certified and is due 12-06; there is concern about this being met. Ecology asked what efforts are underway to get back on schedule. DOE indicated there were a number of issues with meeting these certification levels such as less newly generated waste available than expected and the need for more repackaging of retrieved waste than expected, but did not indicate that any special efforts were being made or resources being redirected to meet the milestone requirement.

When the NLOP sludge treatment is finished that will allow more processing capabilities. Having some newly generated waste would help. There was sufficient quantity of certified waste last quarter due to having standard waste boxes, which can not be depended on in the future. Since one yearly milestone has been missed and another is in jeopardy, Ecology indicated this issue should be discussed at the IAMIT level next month.

DOE indicated that the containers in burial ground 4C are more degraded than they anticipated, and require more repackaging. This is creating a high impact in 2006 that wasn't planned for. DOE expressed that they are not sure if additional funding for this issue is warranted at the detriment of other work. A possible action that could be taken this summer would be to get another crew out, but that also takes money.

M-092-05, Inclusion of Hanford Site Cs/Sr "Treatment and/or Repackaging Parameters" in DOE TWRS Phase II Request for Proposals.

M 92-05 requires that RL show the viability of direct disposal at the Yucca Mountain Project (YMP) by June 2007. The RL strategy is to do a performance assessment of the capsules to show that the capsule contents do not present a risk to human health and the environment when packaged in a certain way and disposed of at Yucca Mountain. The National Spent Nuclear Fuel Program Office has been tasked to do the performance assessment. Preliminary results are planned to be available in December 2006. RL plans to use the results of the performance assessment as a basis for a proposed rulemaking to conditionally exempt the capsules from RCRA regulations once they are disposed of at Yucca Mountain.

M-020-00, Permits and Closure Plans

Planned Actions

A workshop is scheduled to start next week and continue weekly to discuss Ecology draft 331-C Storage Unit Permit conditions. Starting work on Central Waste Complex (CWC) and Waste Receiving and Processing facility (WRAP), a meeting is scheduled 4-27-06 attempting to engage upper management in some policy discussions.

M-015-00, Complete the RI/FS Process for all Operable Units.

M-024-00, Complete Well Installations in Accordance with RCRA/CERCLA Requirements.

On track to submit all near-term Operable Units (OUs) primary documents. If the M-15 draft Change Package is approved, the primary document due dates will change. EPA and Ecology are meeting tomorrow to discuss this draft Change Package and will provide status next week.

DOE stated that the list of wells scheduled to be drilled should stand as is. EPA stated that their position is the current well list does not reflect the actual expectations for well installation, the limited scope of the well drilling plan does not reflect actual field needs, and these limitations are impacting our ability to understand the nature and extent of groundwater contamination at the site. The milestone needs to be revised to require additional wells be installed as required to do the job right. DOE replied that there is a limit as to what the current budget can provide for well drilling. Ecology noted that the well installation schedule is starting to limit the field work that is on the critical path schedule to complete primary documents, so DOE may need to increase the number of wells. The overall scope doesn't necessarily reflect what the actual work will be. Current drilling is continuing on 16 wells.

Working parallel paths (on existing and proposed M-15 milestones) has created a strain on FH to staff each effort. The parallel path may not go away once the new M-15 Change Package is approved.

There is an overall positive cost variance for the RL-40 cost account. RL needs to evaluate how to best apply the resources from the positive cost variance to highest priority work, and confer with EPA and Ecology on their conclusions.

200-CW-5 cost and savings variance is a result of 2005 carryover work scope.

The 216-Z-9 Borehole is at ~128 feet and the goal is 140 feet. The carbon tetrachloride vapor indications are far less than anticipated.

The handout provided indicates the significance of the M-15 Change Package.

Phase 1 of the CERCLA Removal Action supporting proposed barriers at U Plant cribs is complete; samples will be analyzed by the Department of Health.

FH would like to begin backfilling the 216-W-42 pipeline excavation using the same backfill concurrence form that was used in 100 Area, but requests Ecology approval.

Questioned the need for additional characterization of U Plant canyon; is this part of the Remedial Investigation/Feasibility Study (RI/FS) or ROD requirements? Uncertain as to how far back this issue goes. The actual drilling schedule may be moved up significantly.

Facilities to be decommissioned have been unofficially binned. Removal of Bin C facilities was never finalized; this is part of the M-15 Change Package conversations. The Bin C facilities' EE/CA is expected to be completed in the next six months.

FH has planned to bring in experts on unsaturated flow and transport to talk about decision making and modeling. The key is how to make remedial decisions and what tools to use. Ecology noted that the experts are not really experts on decision-making, but are clearly experts on unsaturated flow and modeling. The Regulators noted that FH is not the decision maker; DOE stated that FH does the technical work relied on to make the decisions.

M-034-00A, Complete Removal of the K Basins and Their Content.

M-034-30 & M-034-31

It was originally planned to do design and procurement consecutively, but are now looking at integration and principles of 413.3 before taking any procurement actions. Need to complete the Preliminary Design Safety Analyses (PDSA) before work starts at K West. Procurement of long lead items is on hold until the hazard analysis is complete (expected 7-06).

M-034-32

Working to get sludge out of K East in order to downgrade the facility, then will start on active D&D. Will show substantial progress by 7-07 but may not be complete. EPA wants it noted that they expect the milestone to be met on the current due date.

Direction was given to FH about not doing grout. There is a lot of debris left; need to know how much sludge can be soaked up. With removal of 75-80% of debris, is it necessary to do the grouting and removal?

Looking for alternatives, i.e. different scabbling, to accelerate getting the sludge out of K West, which is at risk. Current plan is to remove the sludge and debris but are looking at alternatives. Once the last batch of sludge is processed work will go into D&D of K West and it will be turned over to River Corridor. There are seismic categorization issues at T plant. Behind schedule with hose in hose because of QA issues with some components.

Have built in a significant schedule contingency for the transfer of sludge. The Integrated Acceptance Test (IAT) for the hose-in-hose sludge transfer system is a little behind schedule, but believe the Milestone can be met.

FH will complete a Baseline Change Request (BCR) by the end of June. If feasible, will present an alternate proposal to move sludge from K Basins elsewhere. The decision on

how to treat the sludge will be a CDF. The sludge needs to be removed from K West in order to turn the facility over to River Corridor.

General

An issue on MP-14 came up at an IAMIT meeting a while ago that has not been resolved. Need to develop a method to track issues/actions that come up in IAMIT meetings.

Action: Add Action Items to the agenda for IAMIT meetings.

PFP Closure Project TPA Milestone M-083



**April 2006
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 3/31/06)

TPA No.	TPA Commitment Date	Milestone Title	Status
M-083-14	9/30/06	COMPLETE 100% OF THE LEGACY PU HOLDUP REMOVAL	<i>Complete</i>
M-083-40	9/30/06	COMPLETE TRANSITION AND DISMANTLEMENT OF 232-Z BLDG INCINERATOR	On Schedule
M-083-22	9/30/08	SUBMIT EE/CA FOR APPROVAL	On Schedule
M-083-41	9/30/10	COMPLETE TRANSITION AND DISMANTLEMENT OF THE 216-Z-9 CRIB COMPLEX	On Schedule
M-083-32	9/30/11	COMPLETE CLOSURE OF THE PFP 241-Z TSD UNIT	Ahead of Schedule
M-083-42	9/30/11	COMPLETE TRANSITION AND DISMANTLEMENT OF THE 241-Z WASTE TREATMENT FACILITY	Ahead of Schedule

Accomplishments

- **Completed 232-Z scrubber cell cleanout**
- **Completed 100% of the process pipe removal from the 241-Z D-8 cell**
- **Completed demobilization of the ISSF Project**
- **Completed pie plating of 1,135 gloveports out of ~1,400**
- **Completed shipping of 362 solution containers to Central Waste Complex out of ~630**
- **Completed shipping of the first SWBs containing VIPAC pins**
 - 54 VIPAC pins have been shipped to CWC through March 2006

Planned Activities

- **Continue RCRA Closure and CERCLA activities in 241-Z**
- **Continue disposition of Pu solution containers (PR cans)**
- **Continue disposition of VIPAC Pins**
- **Complete demolition of the 241-Z-RB Retention Basin (5/06) and 241-ZG (6/06)**
- **Complete transition of 232-Z and start demolition activities**
- **Continue work on the Below Grade EE/CA**

Schedule / Cost Performance Fiscal Year to Date Status

RL-0011 - Nuclear Material Stabilization & Disposal (PFP)	Fiscal Year to Date				
	BCWS	BCWP	ACWP	SV\$	CV\$
	47,070.4	48,269.3	50,550.7	1,198.9	(2,281.4)

Schedule / Cost Performance Fiscal Year to Date Status (Continued)

FYTD Schedule Variance: \$1.2M:

- Recovery of FY05 carryover scope for fuel moves in support of material access area elimination in the 234-5Z facility

FYTD Cost Variance: -\$2.3M:

- Increased support labor, crane & rigging and consumables (PPE, tools, etc.) for D&D activities

Issues

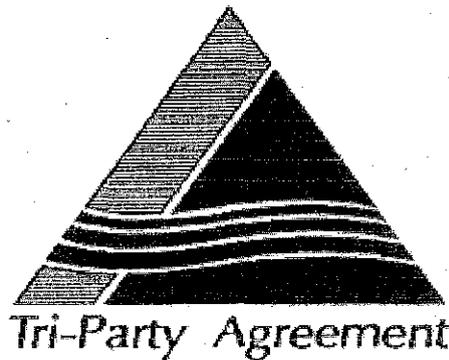
Regulatory Issues:

None

Non-Regulatory Issues:

None

**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
Quarterly Presentation
April 20, 2006**



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

Deborah Singleton, Ecology Lead



Land Disposal Restrictions Report (Tri-Party Agreement Milestone M-26-01) April 20, 2006

- Tri-Party Agreement requires annual submittal of the Hanford Site Land Disposal Restrictions (LDR) Report
- TPA change request M-26-05-01 approved January 4, 2006
 - A summary report has been prepared for CY2005 as a pilot activity
 - Change request identifies content of the summary report
- CY 2005 LDR Summary Report preparations began in December 2005. The report is in DOE concurrence for transmittal on or before April 30, 2006.



**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
April 20, 2006**

- Monthly PMMs continue to be an effective tool for dialogue and as a venue to resolve emerging issues
 - One action remains open from the March 14, 2002, Settlement Agreement (Consolidation of Requirements Document)
 - Emerging issues or concerns are addressed during the PMMs as “Hot Topics”
 - No current issues or concerns are identified



**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
April 20, 2006**

Actions Planned for Next Six Months

- Continue the monthly PMMs focusing on requirements consolidation and storage assessments
- Submit CY 2005 LDR Summary Report
- Initiate primary document review process
- Determine future LDR reporting

Tri-Party Agreement Milestone M-92-05 Quarterly Status

S.K. Moy

U.S. Department of Energy,
Richland Operations Office

April 20, 2006

Tri-Party Agreement Milestone M-92-05 Quarterly Status

TPA Milestone M-92-05, due 6/30/07: “DOE will assess the viability of directly disposing of Hanford Cs/Sr capsules at the National High-Level Waste Repository. Based on this assessment if DOE concludes that direct disposal is a viable and preferred alternative to vitrification, DOE will submit to Ecology, specific documentation justifying its conclusion, with a proposed milestone change request establishing enforceable agreement milestones for disposition Hanford Cs/Sr capsules by 2028.”

Tri-Party Agreement Milestone M-92-05 Quarterly Status

- DOE viability assessment plan for direct disposal at the National High-Level Waste Repository presented to Ecology on February 9, 2006
- Performance assessment modeling initiated in January 2006 to support the direct disposal assessment
- Modeling results scheduled to be completed in 14.5 months.

Tri-Party Agreement M-91 Milestone Series
Quarterly Presentation

Greg Sinton
U.S. Department of Energy,
Richland Operations Office

April 20, 2006

Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

Significant Accomplishments of Last Three Months:

- Retrieved 229 m³ of RSW since the last quarterly report (1/17/06-4/12/06), bringing the total to 3537 m³.
- Approved M-91 change package in February to make the contingent milestones effective in accordance with the October 2003 and January 2006 settlement agreements
- Treated 130m³ of M-91-42 MLLW (Jan-March), bringing the total to 4552 m³ as of 3/31/05.
- Shipped 1346 cubic meters of M-91-42 TRU/M and accumulated a backlog of 427 cubic meters of certified but not shipped TRU/M bringing the total certified TRU/M counting toward M-91-42 to 1773 cubic meters as of 4/17/2006.

M-91 Status Summary 4/20/06

Milestone	Due Date(s)	Status Summary	Comments
General Comments			1) In this table "On-Schedule" means it is anticipated the milestone will be met.
M-91-00: Major Milestone for acquisition of needed facilities/capabilities for mixed and suspect mixed MLLW, and TRUM and suspect TRUM.	TBD	On Schedule	
M-91-01: Facility/Capability Interim Milestone (RH and/or large container TRUM)	6/30/12	On Schedule	Engineering Study and Functional Design Criteria to be completed by 9/30/06.
M-91-03: Submit TRUM/MLLW PMP	12/31/03, 8/06 3/31/09, 3/31/13	On Schedule	M-91-03 PMP approved by Ecology on May 12, 2004. Contingent milestone change package requires PMP update submittal in August 2006 (6 months after Ecology approval of change package) to address plans for processing TRUM. The parties have tentatively agreed to move the date to 9/30/06 to coincide with the submittal of the M-91 FDC report and the M-16-93 Implementation Workplan.
M-91-05-T01: Complete RH and or large TRUM retrieval/processing	12/31/07	On Schedule (planning)	Submitted the "Initial Engineering Study and Functions" document to Ecology 9/30/05. This is the first in a series of activities leading to Conceptual Design and FDC submittal planned for 12/31/07. The next submittal is scheduled for

Engineering Study/FDC			9/30/06 (Engineering Study/ FDC)
M-91-12: CH-MLLW Thermal Treatment (600 m ³ cumulative)	11/16/07	On Schedule	As of the end of March, 393 cubic meters of thermal treatment waste had been treated. PEcoS has thermally treated 101 cubic meters (legacy plus new) as of 4/13/06.
M-91-12A: CH-MLLW Thermal Treatment (240 m ³)	9/30/05	COMPLETE Met 8-16-05	Completion letter (AMCP-0420) sent to Ecology 9/27/05
M-91-15: RH MLLW and/or Large Size MLLW Treatment	6/30/08	On Schedule (Planning to propose a revision to the current scope based on M-91 facility design analysis)	<p>“COMPLETE ACQUISITION OF FACILITIES AND/OR CAPABILITIES AND INITIATE TREATMENT OF RH-MLLW AND CH MLLW IN BOXES AND LARGE CONTAINERS”</p> <ul style="list-style-type: none"> • Initial engineering study that addresses this capability was completed 9/30/05 (See M-91-05-T01) • Discussions on-going with Ecology to possibly revise this milestone based on initial M-91 facility planning to move the MLLW RH and some MLLW large size capability to the M-91 facility completion date of 6/30/12.
M-91-40: Retrieval and designation of CH-RSW (regardless of size)	2700 m ³ cumulative retrieved by 12/31/05; 4700 m ³ by 12/31/06 and annual retrieval volumes through 2010 plus various other requirements	On Schedule Met 2700 level in July 05	<ul style="list-style-type: none"> • The October – December quarterly report was submitted to Ecology March 9. No sampling was conducted in the January-March quarter. • 218-W-3A SAP was sent to Ecology Sept 1. Ecology comments have been incorporated and final comment resolutions have been sent to Ecology for review. • 218-W-4B SAP Draft sent to Ecology 12/29/05. Comments were received from Ecology 2/15/06. Comment resolution meeting held March 7. Expect final comment resolutions to be sent to Ecology within the next few weeks. 4B vent riser sampling planned for this summer. • 3537 m³ of RSW retrieved as of 4/12/06.

			<ul style="list-style-type: none"> • The Non-TRU fraction of PFP debris from retrieval is being sent to PEcoS for treatment prior to disposal at ERDF. Treatment has been proceeding well. Shipments were stopped for a time pending the outcome of an Ecology/EPA inspection, but they have now resumed. 529 m³ have been sent to PEcoS for treatment and 439 m³ of that has subsequently been disposed of in ERDF through 4/13/06. • The E-12B test dig field work has been completed. Containers found to be in better condition than expected. Containers in direct contact with the soil did not appear to experience an increased rate of corrosion.
M-91-41: Retrieval and Designation of RH RSW (regardless of size)	See comment column	On Schedule (Planning)	<ul style="list-style-type: none"> • 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-91-42: Treatment of non-large size CH-MLLW and certification of non-large size CH TRUM	Annual treatment requirements through 12/31/09 (MLLW), 12/31/11 (TRUM)	On schedule For MLLW treatment, behind schedule for CH TRUM certification	<ul style="list-style-type: none"> • 4552 m³ of the MLLW subject to this milestone (MLLW-2 and MLLW-04 through MLLW-10 excluding MLLW-7) has been dispositioned as of the end of March. (4890 m³ required by 12/31/06) • Joint Ecology/EPA PEcoS inspection field work completed February 22. Issues resolved. • Shipped 1346 cubic meters of M-91-42 TRU/M and accumulated a backlog of 427 cubic meters of certified but not shipped TRU/M bringing the total certified TRU/M counting toward M-91-42 to 1773 as of 4/17/2006.
M-91-43: Designation and treatment of RH and or Large Size MLLW	See Comment Column	On Schedule (Planning to propose a revision to current scope)	<ul style="list-style-type: none"> • 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 193 m³ of MLLW-07 since 12/31/02.

			<ul style="list-style-type: none"> • Possible modifications and clarifications to M-91-43 being discussed in Ecology M-91 meetings. May start earlier with lower annual rate. • Investigating PEcos capability to process containers larger than 10 cubic meters (up to as high as 35 cubic meters)
M-91-44: Designation of Newly Generated and Stored RH and or Large Size Transuranic Waste and Large/RH TRUM certification	See Comment Column	On Schedule (Planning)	<ul style="list-style-type: none"> • Designate all RH and large size Transuranic waste in storage by 12/31/12 • Contingent milestone for RH and/or large container TRUM
M-91-45: RH and or Large Size Waste Annual Report	9/30/04 and annually thereafter	On Schedule	<ul style="list-style-type: none"> • The 2005 report was submitted to Ecology 9/29/05 (Letter AMCP-0421)
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	<ul style="list-style-type: none"> • Draft report in preparation

Fn: M-91 PMM Status table4-20-06

Tri-Party Agreement M-91 Milestone Series

Quarterly Presentation

Actions Planned for Next Six Months

- Continue with MLLW treatment and RSW retrieval on schedule
- Continue certification and shipment of transuranic waste to WIPP (two shipments per week until transportation resources can be found for three per week).
- Continue discussions and complete change package on other M-91 clarifications and changes
- Continue thermal treatment at PEcoS and Permafix
- Continue discussions with Ecology on M-91 facility planning
- Finalize 218-W-4B and 218-W-3A SAPs
- Submit SAP quarterly reports
- Conduct 218-W-4B vent riser sampling this summer
- Plan to request approval to retrieve out of sequence



M-20 Milestone Review Permits and Closure Plans

Presented by:

Tony McKarns
U.S. Department of Energy

April 20, 2006

Closure Plan Milestone Status

M-20-33 **4/30/2006**

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, Completed 3/30/2006 **3/31/2006**

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:

Milestone M-20-39 was completed on 3/30/06. Milestone M-20-33 is on schedule for submittal by 4/30/2006.



Planned Actions – next 6 months

- Ecology provide pre-draft Permit for LERF groundwater.
- Ecology draft DST System Permit conditions.
- Ecology draft 331-C Storage Unit Permit conditions.
- Ecology review/approve Part A Form for 331-C Storage Unit.
- DOE and Ecology continue meetings to resolve issues with the Pre-Draft Permit, Revision 9.
- DOE and Ecology continue NOD workshops for WESF Part B Permit Application, Revision 0.
- DOE submit 222-S Laboratory Part B Permit application (Rev 2)
- DOE submit 305-B Closure Plan modification



CENTRAL PLATEAU MILESTONE REVIEW

M-015-00, M-016-00, M-024-00



Tri-Party Agreement

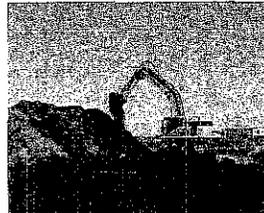
**U.S. Department of Energy
U.S. Environmental Protection Agency
State of Washington, Department of Ecology
2nd Quarter FY06
April 20, 2006**

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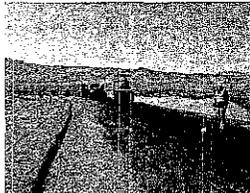
Facilities D&D and Waste Sites Remediation



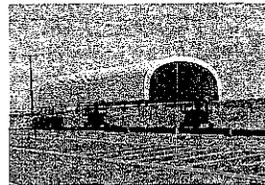
200-UW-1 – TEDF Line Reroute



200-UW-1 - 200-W-42 Pipeline Removal



Area C Haul Road Construction



Rattlesnake Barricade Inspection Station

2

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
M-015-00	Complete RI/FS (or RFI/CMS) Process for all Operable Units		
M-015-46A	2/28/06	Submit 200 Area Chemical Laboratory Waste OUs RI Report	COMPLETE
M-015-39C	3/31/06	Submit Draft A 200-CS-1 Chemical Sewer Group FS and PP	COMPLETE
M-015-43C	5/31/06	Submit 200-PW-2 OU FS, PP & Permit Mod	On Schedule***#
M-15-44A	4/30/06	Submit 200-MW-1 OU Remedial Investigation Report	On Schedule*
M-015-45A	10/31/06	Submit Plutonium/Organic-Rich OU Remedial Investigation Report	On Schedule*
M-015-46B	11/30/06	Submit 200 Area Chemical Laboratory Waste OUs FS	On Schedule***#
M-015-44B	04/30/07	Submit 200-MW-1 OU FS and PP	Potentially at risk***
M-015-45B	09/30/07	Submit Plutonium/Organic-Rich OU FS and PP	Very aggressive schedule to meet TPA because the milestone was not slipped 120 days consistent with discussions in November 2005
M-015-48A	05/31/06	Submit Draft A 200-ZP-1 OU RI Report	On Schedule
M-015-48B	05/31/07	Submit Draft A 200-ZP-1 OU FS and PP	On Schedule
M-015-00	Remedial Design / Remedial Action		
M-015-00	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	3/31/06	Submit 216-S-10 Pond and Ditch Closure Plan to Ecology	COMPLETE
M-020-33	4/30/06	Submit 216-A-10/216-A-36B/216-A-37-1 Crib Closure/Post Closure Plans	On Schedule**

3

Milestone Status

FOOTNOTES FROM PREVIOUS PAGE

*Schedule changed according to TPA milestone change M-15-05-02

**Schedule changed according to TPA milestone change M-20-05-01

***Schedule changed according to TPA milestone change M-15-06-01

#Ecology believes that these milestones are at risk due to inadequate data to support remedial decision-making. Ecology in cooperation with DOE and EPA has developed a draft TPA change package that assumes that additional data will be collected to support the affected documents. The draft change package would delay submittal of the documents covered by M-15-43C and M-15-46B. DOE believes that these milestones are not at risk because they have executed the RI/FS to date in accordance with the approved RI/FS work plans for these operable units. DOE believes the FS and proposed plans are (or will be) compliant with these work plans.

TPA Number	Commitment Date	Milestone Title	Status
M-024-57G	12/31/05	DOE Shall Install a Cumulative of 45 Wells by 12/31/05	COMPLETE
M-024-57H	06/30/06	DOE Initiates Discussions Annually to Reaffirm Selected Wells	COMPLETE
M-024-57I	08/01/06	Conclude Negotiations and Revise M-024-57 by 08/01/06	On Schedule
M-024-57J	08/01/06	DOE Shall Install a Cumulative of 60 Wells by 12/31/06	On Schedule
M-024-00	TBD	Complete Well Installations in Accordance with RCRA/CERCLA Requirements	-----

4

Project Managers' Assessment

Facilities D&D and Waste Sites Remediation

- Environmental – Good
- Safety – Excellent

Almost 1 year since last CP D&D Recordable Injury
Over 200 days since last CP D&D First Aid

- Budget – Satisfactory
- Schedule – Concern (M-015-00)

Groundwater Remediation

- Environmental – Excellent
- Safety – Excellent
- Budget – Concern (M-015-00)
- Schedule – Concern (M-015-00)

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Facilities and Surveillance Schedule/Cost Performance FYTD Status (\$000s) (as of March 2006)

Work Scope	BCWS	BCWP	ACWP	SV	CV	BAC
4.1.2.8.3 - 200-UW-1 U Plant Zone Waste Site Remediation	3,649.0	2,658.4	2,788.8	(990.6)	(130.4)	6,979.4
4.1.2.8.4 - B/C Cribs, Trenches & Cntl Area Remediation	9.6	84.0	78.6	84.4	15.4	87.8
4.1.2.8.18 - Haul Road	1,149.1	1,321.6	702.7	172.5	618.9	1,149.1
4.1.2.8.19 - Regulatory Support	0.0	0.0	0.4	0.0	(0.4)	0.0
CP-1 Remediation Projects Total	4,807.7	4,074.0	3,570.5	(733.7)	503.5	7,916.3
4.1.2.1.3 - Balance of Canyon and Other Facilities	972.1	770.1	666.6	(202.0)	101.5	1,571.2
4.1.2.8.1 - 200 NPL Common Source Assessment	733.4	728.4	(2,685.0)	(5.0)	3,413.4	1,530.2
4.1.2.8.2 - Ecological Risk Assessment	279.5	631.5	657.2	352.0	(25.7)	1,182.7
4.1.2.8.5 - 200-CW-1 Gable Mtn/B Pond CWG	0.0	0.0	1.3	0.0	(1.3)	0.0
4.1.2.8.6 - 200-CS-1 Chemical Sewer Group	207.2	206.2	132.1	(1.0)	74.1	310.1
4.1.2.8.7 - 200-CW-5 U Pond/Z-Ditches CWG	53.9	1,275.1	3.3	1,221.2	1,271.8	102.5
4.1.2.8.9 - 200-PW-2 Uranium-Rich Process	173.2	132.5	148.8	(40.7)	(16.3)	271.5
4.1.2.8.10 - 200-PW-1 Pu-Rich Waste Group	1,836.4	1,434.4	1,472.1	(202.0)	(37.7)	3,229.3
4.1.2.8.11 - 200-LW-1 200A Chem Lab Waste Group	207.8	139.0	103.7	(68.8)	35.3	477.3
4.1.2.8.12 - 200-MW-1 Misc. Waste Group	360.9	347.5	275.6	(13.4)	71.9	460.1
4.1.2.8.13 - 200-UR-1 Unplanned Releases Waste Group	212.5	203.5	202.6	(9.0)	0.9	691.3
4.1.2.8.14 - 200-SW-1 Non-Radioactive Landfills & Dump Group	724.7	391.2	343.5	(333.5)	47.7	1,632.0
4.1.2.8.15 - 200-IS-1 Tanks/Boxes/Pits/Lines Group	1,090.0	260.6	168.3	(829.4)	92.3	3,071.6
4.1.2.8.16 - 200-BP-1 Hanford Prototype Barrier	1.6	1.4	0.0	(0.3)	1.4	1.6
4.1.2.8.17 - Burial Ground Sampling & Analysis	202.8	40.8	5.2	(162.0)	35.6	215.4
4.1.5.2.1 - 618-10/11 Waste Sites	0.0	0.0	0.4	0.0	(0.4)	0.0
CP-2 Closure Projects Total	6,856.0	6,562.2	1,497.3	(293.9)	5,064.4	14,746.8
4.1.2.1.1 - U Plant	187.2	189.6	245.1	2.4	(55.5)	500.2
4.1.2.1.2 - Plutonium Concentration Facilities	0.0	0.0	0.6	0.0	(0.6)	0.0
4.1.2.1.3 - Balance of Canyon and Other Facilities	0.0	0.0	7.6	0.0	(7.6)	0.0
4.1.2.4.2 - 200A GPF - Deactivation & Disposition	0.0	0.1	0.0	0.1	0.1	26.6
4.1.2.4.3 - B Laydown Yard D&D	0.0	0.0	0.0	0.0	0.0	0.0
4.1.4.2.2 - 400A GPF - Deactivation & Disposition	0.0	0.0	0.0	0.0	0.0	0.0
CP-3 Deactivation & Decommissioning Total	187.2	189.7	253.3	2.5	(63.6)	526.8

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Facilities and Surveillance
Schedule/Cost Performance FYTD Status (\$000s)
(as of March 2006)

Work Scope	BCWS	BCWP	ACWP	SV	CV	BAC
4.1.1.4.2 - 100A GPF - S&M	0.0	0.0	1.9	0.0	(1.9)	0.0
4.1.2.6.1 - CP Min Safe Oversight & Services	1,567.0	1,567.0	1,276.7	0.0	290.3	3,278.9
4.1.2.6.2 - Nuclear Facility Support	150.1	150.1	238.3	0.0	(88.2)	313.9
4.1.2.6.4 - CP Inactive Waste Sites Min Safe	256.2	256.4	346.0	0.2	(89.6)	662.5
4.1.2.6.5 - Misc Facilities Min Safe	349.4	365.1	291.5	15.7	73.6	728.3
4.1.2.6.6 - 209-E Min Safe	162.0	162.0	44.3	0.0	117.7	339.8
4.1.2.6.7 - U Plant Min Safe	238.7	235.2	290.8	(3.5)	(56.6)	494.1
4.1.2.6.8 - B Plant Min Safe	146.3	351.8	241.6	205.5	110.2	350.7
4.1.2.6.9 - PUREX Min Safe	384.9	762.7	719.2	397.8	63.5	887.4
4.1.2.6.10 - REDOX Min Safe	183.0	181.2	221.5	(1.8)	(40.3)	379.6
4.1.2.6.12 - CP General Purpose Facilities (GPF) Min Safe	65.1	65.1	28.6	0.0	36.5	136.8
4.1.2.6.13 - CP Active Waste Sites Min Safe	25.4	25.4	13.7	0.0	11.7	53.1
4.1.2.6.14 - Spider Lift - NESHAPs	0.0	0.0	187.7	0.0	(187.7)	0.0
4.1.4.4.2 - 400A GPF - S&M	0.0	0.0	0.0	0.0	0.0	0.0
4.1.5.3.2 - 600A GPF - S&M	0.0	0.0	6.2	0.0	(6.2)	0.0
4.1.5.3.3 - 600A Waste Sites S&M	0.0	0.0	1.8	0.0	(1.8)	0.0
CP-4 Surveillance & Maintenance Total	3,928.1	4,142.0	3,909.7	613.9	232.3	7,625.1
4.1.2.7.1 - CP Project Management and Support	1,100.8	1,100.8	892.7	0.0	208.1	2,303.1
4.1.2.7.2 - Business Management & Integration	441.6	441.6	313.7	0.0	127.9	923.3
4.1.2.7.3 - Chief Engineer	0.0	0.0	0.4	0.0	(0.4)	0.0
4.1.2.7.4 - Technical Support	555.4	555.4	533.6	0.0	21.8	1,146.1
4.1.2.7.5 - ESH&Q	633.3	633.3	642.0	0.0	(8.7)	1,324.2
4.1.2.7.6 - CP Training	0.0	0.0	1.8	0.0	(1.8)	0.0
CP-5 Project Mgmt & Support Total	2,731.1	2,731.1	2,384.2	0.0	348.9	5,686.8
Grand Total	18,110.1	17,899.0	11,615.5	(411.2)	5,083.5	36,511.7

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Schedule Performance
(\$ in Millions)

Schedule Variance	FYTD Variance	Causal Factors/Corrective Actions
CP-1 Remediation Projects	(0.7)	Delays in regulatory documentation and barrier design for U Plant Waste Sites; offset by progress on construction of the Haul Road.
CP-2 Closure Projects	(0.3)	Favorable progress due to close out of post contract period no action waste sites, and completion of FY 2005 carryover workscope. Offset by delays in DQOs for 200-SW-1 and Closure Strategy; 200-IS-1 characterization workscope is not required and will be deleted through a BCR which is in development; and 218-W-4B SAP delays as a result of resources supporting other higher priority scope.
CP-3 Deactivation & Decommissioning	0.0	
CP-4 Surveillance & Maintenance	0.6	Due to completion of FY 2005 carryover.
CP-5 Project Mgmt & Support	0.0	
D&D Totals	(0.4)	

Updated through March 2006

8

Cost Performance (\$ in Millions)

Cost Variance	FYTD Variance	Causal Factors/Corrective Actions
CP-1 Remediation Projects	0.5	Efficiencies in the haul road construction.
CP-2 Closure Projects	5.1	Close out of post contract period no action waste sites at no cost(\$1.3M). Variance distribution for PBS RL-40 was credited to this subproject (\$3.8M).
CP-3 Deactivation & Decommissioning	(0.1)	U Ancillary costs charged to the project after completion.
CP-4 Surveillance & Maintenance	0.2	Due to staffing efficiencies and loaned labor to higher priority projects.
CP-5 Project Mgmt & Support	0.3	Resources supporting non D&D work scope.
D&D Totals	6.1	

Updated through March 2006

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Significant Accomplishments

M-015-00 & M-015-00C

Waste Sites Remediation

- Issued Draft A Chemical Laboratory Waste Remedial Investigation Report (200-LW-1/200-LW-2 Operable Units).
- Issued Draft A 200-CS-1 Feasibility Study, Proposed Plan, Closure plan for 216-S-10 Pond and Ditch and Closure Plan for 216-B-63 Trench.
- Initiated drilling of slant borehole at 216-Z-9 Trench (200-PW-1 Operable Unit).

Groundwater Remediation

- Completed DQO and SAP supporting the completion of 200-ZP-1 characterization in vicinity of Old Laundry Facility and T Plant.
- Issued Internal Draft and Decisional Draft of 200-ZP-1 RI Report.

Facilities

- U-Plant CDI Record of Decision was awarded EPA's ROD of the year award.

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Significant Accomplishments

M-015-00 & M-015-00C

Technical Working Group Draft TPA Change Package

Summary of M-15 Package As of March 30, 2006

- 12 new interim milestones (M-13, M-15, M-16)
 - Update of Feasibility Studies (FS) previously submitted plus 1 new
 - Remedial Investigation Work Plans (2 revisions, 1 new)
 - Schedule for completion of Remedial Actions by 2024
- New language that requires RD/RA work plan within 180 days of issuance of ROD
- Slip to 4 current interim milestones
- Slip of M-15 major milestone from 2008 to 2011
- Commitment to begin negotiation on facility remedial actions in October
 - Defers the June 2006 "Long-term D&D Plan" update

11

Significant Accomplishments

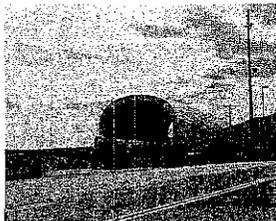
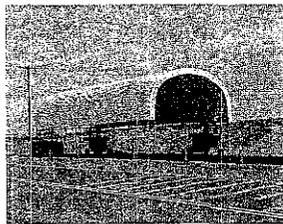
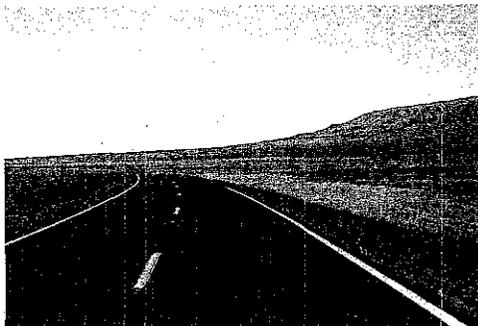
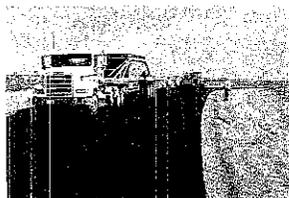
M-016-00

Waste Sites Remediation

- CERCLA Removal Action supporting proposed barriers at U Plant cribs:
 - Excavated and Installed ~840' TEDF Piping
 - Excavated and Removed ~850' 200-W-42 VCP Piping
 - Obtained Concurrence to Remove Remaining 200-W-42 VCP Piping
 - Removed and Sealed 3 Vents/Risers in 216-U-12 Crib
 - Broke-up 100' x 150' Concrete Slab and Transported to ERDF
- Paved Haul Road and Installed Rattlesnake Barricade Inspection Station

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Area C Haul Road and Truck Inspection Station inside Rattlesnake Barricade



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Significant Accomplishments

M-024-00

Groundwater Remediation

- Installed 45 of the 45 groundwater monitoring wells in accordance with Agreement Milestone M-024-57G.
- 10 of the 15 proposed CY06 wells and 2 CY07 wells completed.
- 16 remedial investigation wells in progress. (T-2 and T-3 near T-Tank farm, six 200-UP-1, four LLBG wells, and four 300-FF-5 wells).
- Soil vapor extraction activities were restarted for 200-ZP-2

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Planned Activities Next 6 Months

Facilities D&D

- U Plant Canyon Disposition Initiative (CDI) post-ROD work on RDR/RAWP due to regulatory agencies by end of CY06
 - Canyon reactivation study (May 2006)
 - HVAC
 - Electrical/lighting
 - Canyon crane
 - Equipment size reduction / cell space optimization study (July 2006)
 - Canyon demolition study (July 2006)
 - Continue development of Remedial Action Work Plan (RDR/RAWP)

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Planned Activities Next 6 Months

- Complete preparation of EE/CA for non-time critical removal of Bin C facilities and begin the approval process.
- Planning to D&D five structures (2707E, 2713E, 2715E, 2719E and 2722E) that do not have active utilities and have already undergone initial demolition preparation activities. This effort provides fill-in work and a skills-sharpening opportunity for workers that are awaiting demolition work at PFP's 232-Z structure as its start has been delayed. Work on 2713E has begun.

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Planned Activities Next 6 Months

M-015-00

- Pending approval of the M-015 tentative agreement, continue Central Plateau IAMIT Working Group workshops on the Waste Site Decision Strategy to:
 - Complete DQO's for the initiated model groups (Model Groups 4 and 5)
 - Continue technical discussions on integration with groundwater projects.
- Continue Technical Working Group discussions on M-013, M-015, M-016 and M-020 milestone changes.

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Planned Activities Next 6 Months

M-015-00

- Revisit resolution of Ecology's remaining comment on the 200-PW-2/200-PW-4 RI Report pending outcome of the M-015 tentative agreement.
- Continue 200-PW-1 carbon tetrachloride dispersed vadose zone plume remedial investigation field activities (e.g., complete drilling of the 216-Z-9 slant borehole for 200-PW-1).
- Initiate drilling at 216-A-4 Crib to support completion of the characterization at that site for the 200-MW-1 Operable Unit.
- Submit 200-PW-2/200-PW-4 FS and proposed plan.
- Submit closure plans for 216-A-10, 216-A-36B, and 216-A-37-1 TSDs.
- Submit 200-MW-1 RI Report.

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Planned Activities Next 6 Months

M-015-00

Groundwater Remediation

- **200-ZP-1**
 - Continue preparing the 200-ZP-1 Feasibility Study
- **200-BP-5 OU**
 - Issue 200-BP-5 DQO Report
 - Stakeholder work shop to discuss DQO comments
 - Issue Drilling SAP for three groundwater wells
 - Revise 200-BP-5 Waste Control Plan
 - Begin 200-BP-5 Work Plan
- **200-PO-1 OU**
 - Develop annotated outline for a supplemental plan

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Planned Activities Next 6 Months

M-016-00

Waste Sites Remediation

- Obtain 200-UW-1 ROD in May 2006.
- Reclassify the 216-U-12 Crib RCRA TSD unit to a Past Practice unit in May 2006.
- Reclassify the 216-U-15 Trench CERCLA Past Practice unit to a RCRA Past Practice unit in May 2006.
- Obtain 200-UW-1 RDR/RAWP approval in June 2006.
- Remove 200-W-42 piping north of U-8 Crib to U-Plant, sample soil, and backfill.

Groundwater Remediation

- Continue 200-West Area Carbon tetrachloride Source-Term Investigation (Vista Engineering).

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Issues

Regulatory Issues

- **BC Cribs & Trenches Remedial Alternative Proposal**
 - DOE-RL and EPA need to complete discussions on excavation criteria to proceed with completion of Draft B of the FS/PP.
 - After several collaborative meetings on FS issues (e.g., intruder scenarios), RL sent letter dated December 8, 2005, to EPA agreeing to excavate where such removal of shallow contamination either:
 - Might eliminate the need for a barrier, or
 - Simplifies the design of a barrier and its associated institutional controls
 - Work has been continuing this 2nd Quarter of FY06 to agree on fundamentals of appropriate intruder scenarios, exposure levels and longevity of institutional controls.
 - Consider ways to implement a treatability test (e.g., limited excavation) at BC Cribs and Trenches to further evaluate alternatives in the FS.

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Issues

Non-Regulatory Issues Potentially Impacting TPA Milestones

- **200-MW-1 Crib 216-A-4 Borehole High Contamination Levels -**
Characterization of the crib has been halted due to finding much higher than expected contamination levels at the borehole.
 - EPA agreed to a change request to move and roll up 216-A-4 Crib characterization information from the RI Report to the FS Report.
 - A borehole at the crib is being planned to obtain additional data on deeper contamination. The data will be incorporated into the FS; however, additional data needs will need to be assessed following receipt of borehole data
- **M-015 Discussions**
Working parallel paths is causing resource constraints for completion of RI/FS work.

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Hanford K Basins Closure Project

Tri-Party Agreement M-34 Milestone Review



***U.S. Department of Energy,
Richland Operations Office
Second Quarter FY 2006***

April 20, 2006

Hanford K Basins Closure Project

TPA Milestone Status
Remaining Milestones Due Fiscal Year 2006-2009

Number	Milestone Title	Due Date	Status/Comments
M-34-33	Containerize K East Sludge, All K East Sludge is placed in containers a. Sludge containerization initiation b. Sludge containerization complete	a. 10/31/2004 b. 03/01/2005	a. Initiated on 10/31/2004 b. Work in Progress.
M-34-34	Complete removal of K East Sludge	05/2007	On schedule. Need to accelerate completion to complete M34-32 on time.
M-34-35	Containerize K-West Sludge a. All K West bulk sludge is placed in containers b. Complete final pass clean up	a. 07/2007 b. 01/2008	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.	12/2008	Under review. Early procurement authorization withdrawn. Impacts being analyzed.
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	Requires completion of M34-34.
M-34-31	Complete Sludge treatment This interim milestone will be complete following treatment and package of all sludge for disposal offsite.	11/2009	Under review. Early procurement authorization withdrawn. Impacts being analyzed.
M-34-00A	Complete removal of the K Basins and their contents Note: 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	At risk. Requires completion of M-34-31.



Significant Accomplishments and Status

Project-wide

- Assimilated documentation and made preparations for an External Independent Review being conducted by DOE-HQ on selected Hanford projects, K Basins included, focusing on project budget estimates, technical and regulatory baselines, and schedule.
- Completed first quarter project risk review and updated in January 2006. Results support validity of September 2005 model to establish 90 percent confidence schedule and contingency requirements.
- Initiated studies aimed at identifying alternatives for accelerated removal of sludge from the K West Basin to facilitate earlier removal of the K West Basin.
- K East Basin water clarity has been maintained throughout debris removal and sludge containerization.
- Shipments of K Basin debris to the Environmental Restoration Disposal Facility (ERDF) continues.
- Worked through facility and operational interfaces with the new 100-KR-4 groundwater pump and treat project.
- Working through facility and operational interfaces with the River Corridor Contractor's remediation plans for 118-K burial ground.



Significant Accomplishments and Status

K East Basin Debris Removal (see metrics)

- Completed fuel storage rack removal campaign.
- Completed planned bulk debris removal.
- Obtained EPA approval of spent ion exchange column disposition plan.

K East Basin Sludge Containerization (see metrics)

- Containerization of bulk sludge in the center bay has been completed.

Transfer of Containerized K East Basin Sludge to K West Basin Containers

- Completed installation of basin water return line (i.e., water from K West Basin back to K East Basin).
- Completed classroom training of affected operations and technical support personnel (RL included).
- Completed 19 of 33 construction acceptance tests, including the four booster pump qualification tests.
- Continued with preparations for DOE Operational Readiness Review.



Significant Accomplishments and Status

K West Basin Debris Removal (see metrics)

- Debris removal maintains ahead of targeted schedule.
- Obtained EPA approval of emission control and monitoring methods to be employed in repackaging waste boxes outdoors as a precursor to disposal at ERDF.

K West Basin Floor and Pit Sludge Containerization

- Completed installation of the floor and pit sludge retrieval system that will vacuum the bulk sludge into engineered containers.

Legacy Fuel Management

- Transported "suspect fuel" to PNNL for evaluation.

K Basin Decontamination and Decommissioning

- Initiated studies aimed at identifying alternatives for accelerated removal of the K East Basin.



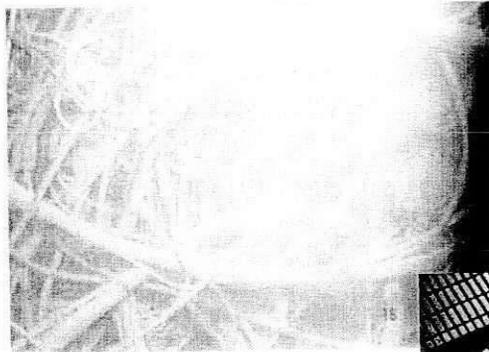
Significant Accomplishments and Status

K Basins Sludge Treatment

- Completed study and selection of alternative hose-in-hose sludge transfer routes between K West Basin and treatment process planned for the Cold Vacuum Drying Facility (CVDF).
- Completed corrosion system 60 percent design review.
- Completed non-destructive assay system 100 percent design review.
- Completed mobile solidification system 100 percent design review.
- Completed hazards analysis and designation of what systems/components are safety class or safety significant.
- Mitigated accident consequences currently being analyzed.
- Initiated Data Quality Objective and Sampling Analysis Plan for characterization of treated and packaged sludge.
- Procurement of major equipment delayed by withdrawal of early procurement authorization.

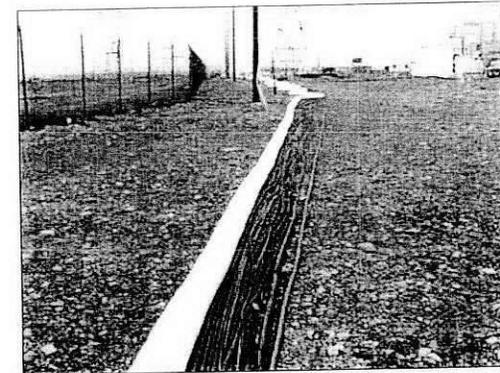


Significant Accomplishments and Status



Before

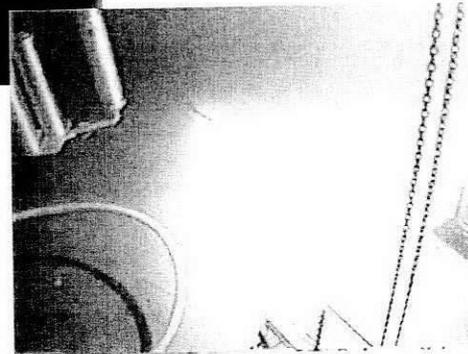
K East Basin



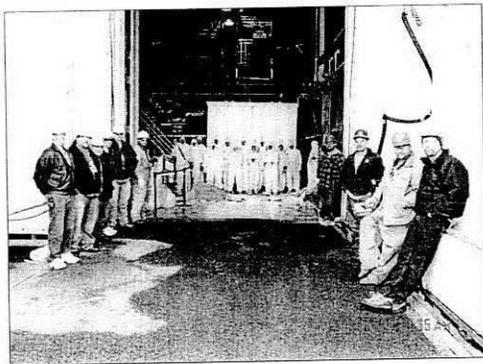
New hose-in-hose transfer system



During



After

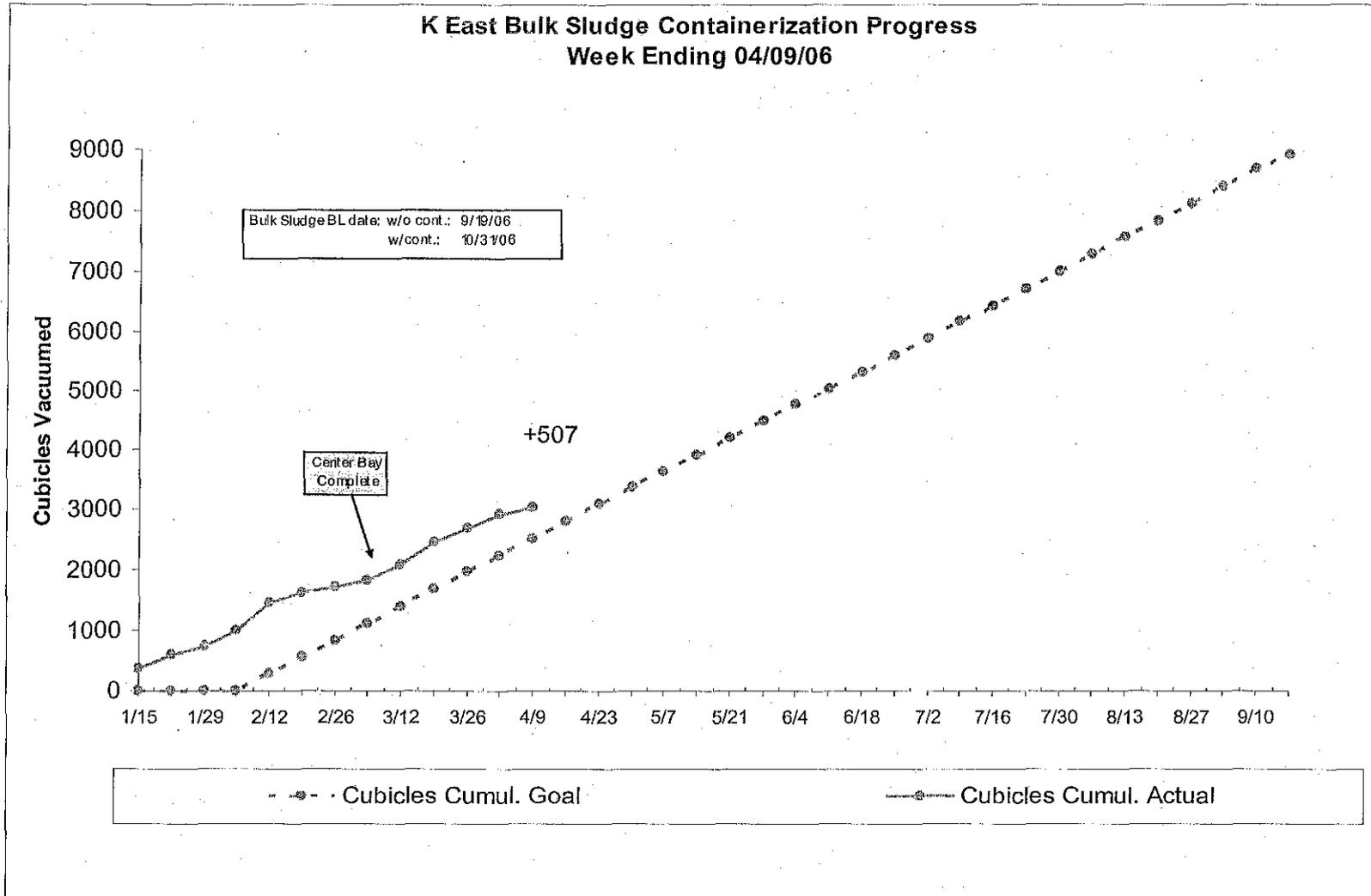


K East crews and support personnel with the last IP-2 containing racks ready to be shipped



Hanford K Basins Closure Project

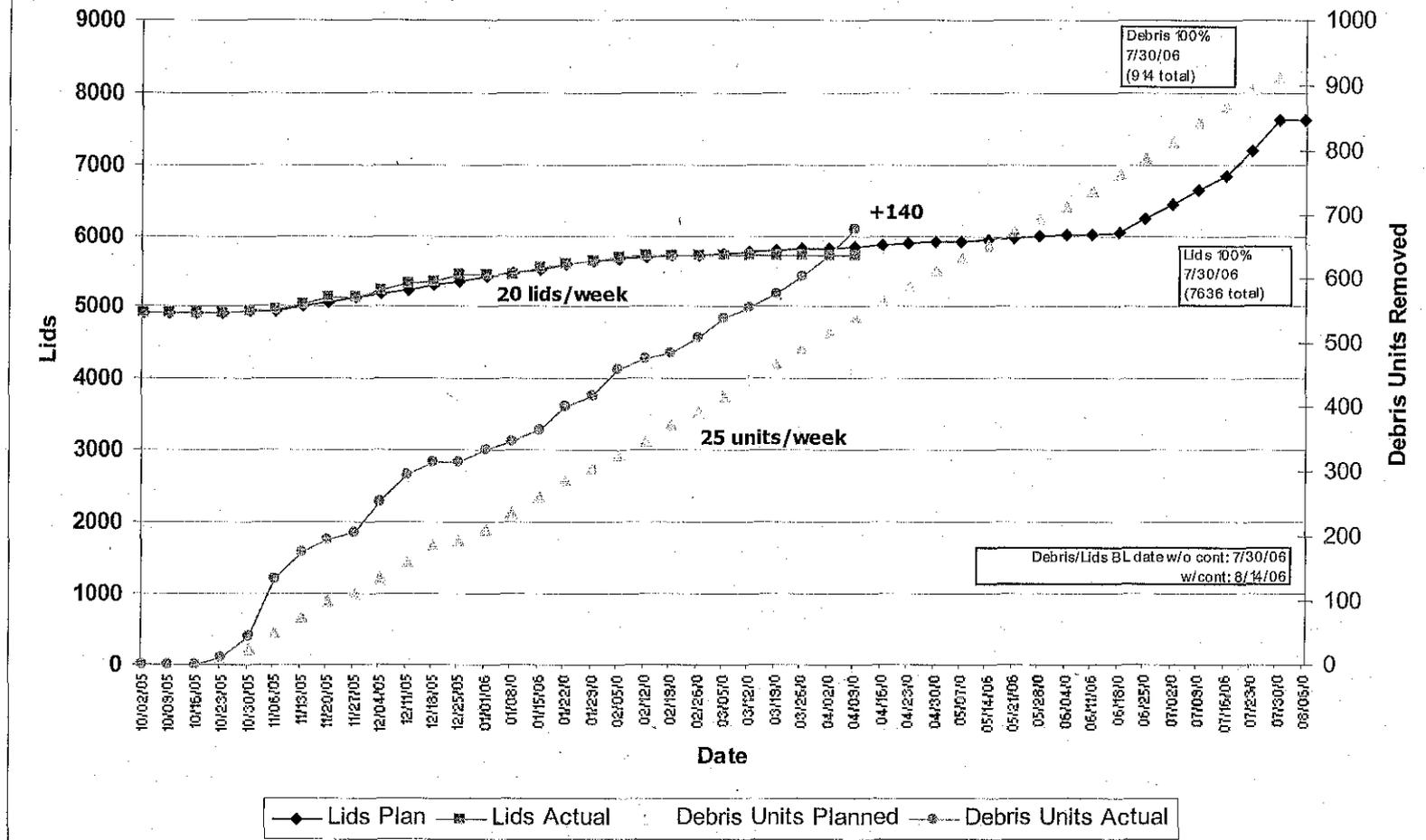
K East Metrics



K West Metrics

**K West Debris/Canister Lid Removal Progress
Week Ending 04/09/06**

(1 debris unit = 10' of hose, 1 pole tool, 1 canister, 1/10th of a debris basket, 1 pump, 1 camera unit, 1 stadium light, or 1 TSB/Stiffback)



Upcoming Activities (next 3 months)

Project-wide

- Manage current and emerging risks.
- External Independent Review of Project.

Fuel Removal

- Collect and stage "found fuel" and scrap fuel for removal from K East Basin.
- Retrieve fuel fragments from 325 building.
- Receive feedback from PNNL on suspect fuel stored in K West Basin.
- Work with Washington Closure Hanford (WCH) to receive fuel fragments of questionable enrichment from remedial action operations associated with burial grounds.

Debris Removal

- Continue removal of debris in K West Basin.
- Continue to ship debris waste to ERDF for disposal.



Upcoming Activities (next 3 months)

Sludge Retrieval and Disposition

- Continue sludge pumping and containerization in the K East Basin.
- Continue pumping floor and pit sludge in K West Basin to the Tech View Pit.
- Complete Hose-in-Hose sludge transfer system Integrated Acceptance Test.
- Conduct Operational Readiness Review of the K East Basin to K West Basin hose-in-hose sludge transfer system.
- Perform Corrosion System 100 percent design review.
- Perform Retrieval and Transfer System 30 percent design review.
- Complete preparation of preliminary documented safety analysis.
- Complete preparation of remedial design reports and remedial action work plan: (a) Imaging Passive-Active Neutron system and Mobile Solidification System, and (b) corrosion.
- Prepare proposal for accelerating removal of sludge in the K West Basin and turnover of the basin to the River Corridor Contractor (RCC).

K East Basin Decontamination and Decommissioning

- Prepare proposal for accelerating the removal of the K East Basin and turnover of the site to the RCC for remediation.



KBC Project Risk Status

Risks are those factors associated with the Project, both existing and emerging, that can result in cost and schedule impacts. These risks are being managed by a Risk Mitigation Plan with the objective of minimizing cost and schedule impacts.

Subproject	Major Remaining Risks	Emerging Risks
K East Basin	<ol style="list-style-type: none"> 1. Re-deposition of sludge will necessitate additional vacuuming. 2. Uncertain enrichment of discovered fuel. 3. The waste designation and disposal pathway of approximately 100 boron trifluoride neutron detectors discovered in the K East Basin. 	<ol style="list-style-type: none"> 1. Change in demolition approach from that currently planned (i.e., grout and remove).
K West Basin	<ol style="list-style-type: none"> 1. Hose-in-Hose integrated testing identifies additional concerns that requires rework, procurement and/or retest. 	<ol style="list-style-type: none"> 1. Change in K West Basin sludge removal concept.
Sludge Treatment	<ol style="list-style-type: none"> 1. Hazards associated with treatment process force redesign. 2. Existing Hose-in-Hose transfer equipment will not work for balance of sludge at higher solids ratios. 3. Change in seismic criteria to that which has been recently identified for the Waste Treatment Plant. 4. Ability to maintain Sludge Treatment and Packaging System Equipment. 5. Increased complexity of CVDF modifications. 	<ol style="list-style-type: none"> 1. Withdrawal of advance procurement authorization for major equipment. 2. Change in sludge treatment location and/or process. 3. Application of DOE Order 413.3 to project planning and execution.



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

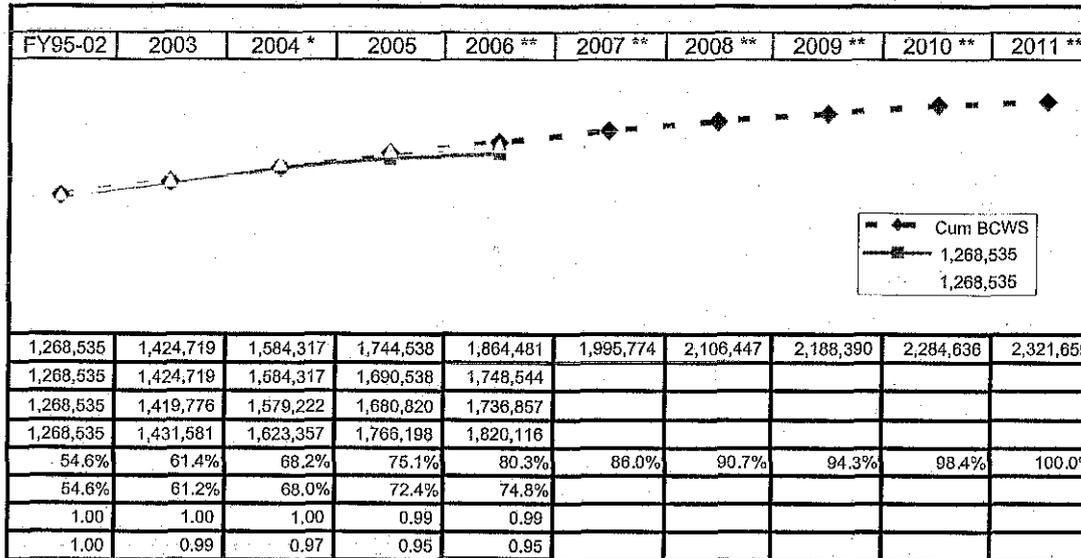
BAC (Budget at Completion)

- 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



Hanford K Basins Closure Project

KBC Project – Total Project Baseline



Life Cycle	
*BAC=	2,321,659
EAC=	2,343,319
BCWS=	1,748,544
BCWP=	1,736,857
ACWP=	1,820,116
SV=	(11,687)
CV=	(83,259)

Cum BCWS	1,268,535	1,424,719	1,584,317	1,744,538	1,864,481	1,995,774	2,106,447	2,188,390	2,284,636	2,321,659
PTD BCWS	1,268,535	1,424,719	1,584,317	1,690,538	1,748,544					
PTD BCWP	1,268,535	1,419,776	1,579,222	1,680,820	1,736,857					
PTD ACWP	1,268,535	1,431,581	1,623,357	1,766,198	1,820,116					
% Sch	54.6%	61.4%	68.2%	75.1%	80.3%	86.0%	90.7%	94.3%	98.4%	100.0%
% Cmpl	54.6%	61.2%	68.0%	72.4%	74.8%					
SPI	1.00	1.00	1.00	0.99	0.99					
CPI	1.00	0.99	0.97	0.95	0.95					

Fiscal Year 2006											
Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
FYTD ACWP											
FYTD ACWP											
7,437	16,916	27,779	35,830	45,981	53,918						

* PHMC Rebaseline Sludge Retrieval & Disposition Project and Decontamination & Decommission Project

** FH KBC Project Level replan estimate (with contingency)



KBC Stabilization and Disposition Project Performance through Second Quarter FY 2006

		(\$ in thousands)	<u>FYTD</u>
		By PBS	ACWP
PBS RL-0012	Safe and Compliant		\$ 6,834.2
PBS RL-0012	Sludge Retrieval and Disposition		\$ 36,421.2
PBS RL-0012	D&D Deactivation		\$ 2,957.0
PBS RL-0012	Closure Services		\$ 7,654.0
TOTAL			<hr style="width: 100%; border: 0.5px solid black;"/> \$ 53,866.5

