

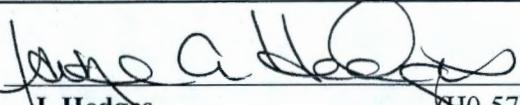
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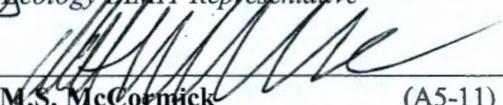
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Central Plateau/Spent Nuclear Fuel Tri-Party Agreement Milestone Review Meeting Minutes October 18, 2007

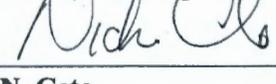
EDMC

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

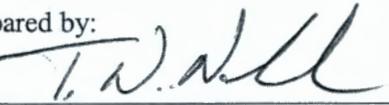
Date: 12/10/07

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

Date: 12/6/07

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

Date: 12/11/07

Minutes Prepared by: 
T.W. Noland (H8-12)
Fluor Federal Services.

Date: 12/12/07

Ayres, J.M.	Ecology	H0-57	Mattlin, E.M.*	RL	A5-11
Bartus, D.	EPA	H0-57	McCormick, M.S.	RL	A5-11
Bilson, H.E.	FH	H8-20	McKarns, A.C.*	RL	A5-15
Bond, R.	Ecology	H0-57	Morrison, R.D.*		
Bohnee, G.	NPT		Niles, K.	OOE	
Boyd, A.	EPA	H0-57	Noland, T.W.*	FH	H8-12
Cameron, C.E.*	EPA	B1-46	Nuzum, J.L.*	FH	H8-12
Ceto, N.	EPA	B1-46	Ollero, J.F.*	Ecology	H0-57
Charboneau, B.L.*	RL	A6-33	Peres, M.W.*	FH	X3-71
Cimon, S.	ODE		Piippo, R.E.*	FH	H8-12
Dagan, E.B.*	RL	A5-11	Price, J.*	Ecology	H0-57
Einan, D.R.*	EPA	B1-46	Quigley, K.M.*	FH	H8-44
Engelmann, R.H.*	FH	H8-12	Romine, L.D.*	RL	A6-33
Faulk, D.A.	EPA	B5-01	Ruscitto, D.G.*	FH	A3-06
Franco, J.R.*	RL	A3-04	Russell, R.W.*	ORP	H6-60
French, M.S.	RL	A6-38	Skinnarland, E.R.*	Ecology	H0-57
Frey, J.A.	RL	A5-13	Singleton, D.G.*	Ecology	H0-57
Gadbois, L.E.*	EPA	B1-46	Sinton, G.L.*	RL	A6-38
Harris, S.	CTUIR		Thompson, K.M.	RL	A6-38
Hedges, J.	Ecology	H0-57	Thompson, S.A.*	FH	H8-12
Henry, D.	OOE		Watson, D.J.*	FH	X3-79
Hopkins, A.M.	FH	H8-25	Weil, S.R.*	DOE	A5-16
Horst, L.	OOE		Whalen, C.L.	Ecology	H0-57
Huffman, L.A.	ORP	H6-60	Williams, J.D.*	FH	E6-35
Jim, R.	Yakama		Wise, B.K.	FH	B3-30
Klos, D. B.	FH	T4-35	Wolf, A.	CTUIR	
Knox, K.E.*			Administrative Record		H6-08
Lutz, K.	HQ	A7-75			
Mandis, M.L.	Ecology	H0-57			

*Attendee

**Central Plateau/Spent Nuclear Fuel
Tri-Party Agreement Milestone Review
Meeting Minutes
October 18, 2007**

PFP Closure Project - TPA Milestone M-083-00

M-83-41 - Complete transition and dismantlement of the 216-Z-9 crib complex

RL reported that it recently directed the contractor to place the field work on hold until the PW-1 Proposed Plan (PP) is finalized. RL is coordinating with Ecology and EPA on the PP. RL stated that the hold on field work should not jeopardize the milestone. The milestone is currently on schedule.

Accomplishments

Authorization to ship the plutonium inventory at PFP was received on September 5, 2007. A Record of Decision (ROD) was signed to allow the consolidation of the plutonium at the Savannah River site. RL reported that a lot of D & D work has been put on hold to procure containers and support the shipping campaign.

Currently, 16 of the 17 gloveboxes planned for FY07-08 have been cleaned. RL renegotiated with Fluor to complete ten more gloveboxes in FY08.

Planned Activities

The Removal Action Work Plan (RAWP) is being completed in preparation for the 216-Z-9 transition work.

Schedule and Cost Performance

The schedule and cost performance through September 2007 (end of fiscal year) was provided. The fiscal year to date ended with both a positive schedule and cost variance.

TPA Milestone M-26-01 - Land Disposal Restrictions Report

The 2006 annual summary LDR report was approved by Ecology on August 2, 2007.

TPA M-91 Milestone Series Quarterly Presentation

RL distributed the M-91 milestone status summary report. Ecology requested that future reports reflect the current backlog of waste treatment in each category of waste.

Significant Accomplishments of Last Three Months

A second shift was started at T Plant for TRU/TRUM repackaging.

The total of M-91-42 MLLW treated through October 12, 2007 was reported as 5,843 cubic meters. Completion of the M-91-42 milestone of 6,520 cubic meters by December will be close and a change request was submitted to move extend the date. The change was denied and dispute has been initiated at the Project Manager's level.

M-91-03 - Submit TRUM/MLLW PMP

There was a brief discussion regarding the CERCLA issue associated with the Project Management Plan (PMP). RL will schedule a meeting with Ecology within the next two weeks to discuss the issue.

M-91-42 - Treatment of non-large size CH-MLLW and certification of non-large size CH TRUM

RL reported that approximately 87% of the 12/31/02 TRUM backlog has been certified or determined to be LLW as of 10/12/07. The target is to reach 95% - 98% of the backlog by the end of September 2008. The remaining 2% - 5% backlog is projected to take two years.

RL-13, Fiscal Year 2007 Performance Measurement

RL noted that the RL-13 grand total on this report reflects the majority of the M-91 activities and not the PBS total.

M-20 Milestone Review - Permits and Closure Plans

RL provided a handout summarizing the milestone status, permit status, accomplishments and planned actions. Ecology reported that they expected to have RCRA Permit Revision 8C issued on October 22, 2007.

Planned Actions - Next 6 Months

RL noted that the quarterly Class 1 modifications are to be submitted for the quarter ending 12/30/07, not 9/30/07 as shown in the report.

Central Plateau Milestone Review - M-13-00, M-15-00, M-16-00, M-24-00

RL provided a handout summarizing the milestone status, accomplishments, cost/schedule status and planned activities and last quarter issues.

RL reported M-015-38B is unachievable due to the extended comment period for the Sampling and Analysis Plan (SAP). RL will submit a change request to move the milestone accordingly upon approval of the SAP.

RL-30 Groundwater/Vadose Zone FYTD Cost/Schedule Status

Several peer review activities are planned for groundwater integration, and they have been rolled into FY09 instead of being completed in FY08. There have been cost increases at 200-ZP-1 due to the geology, which creates problems with drilling.

Planned Activities for the Next 6 Months

One phase of the PUREX Canyon Data Quality Objectives (DQO) process was completed in September 2007, and the report is in review. If Congress provides sufficient funding to continue that effort, there will be follow-on activity. The agreement-in-principle on Central Plateau facility disposition, including 221-U Facility, is in EPA review. EPA extended the time for its response to November 18, 2007, and is on track to meet that date.

There was some discussion on the potential good news story for cleanup 200 North area if there is adequate funding to knock down the buildings in that area. RL is preparing to move forward on this if there is adequate funding.

There was discussion on cleanup of the B/C control area and how this could be another good news story for potentially cleaning up 12 square miles of Hanford real estate if adequate funding is found to proceed with this work.

RL reported that they will be completing the 100-HR-3 wells for the horn investigation.

RL reported that there are 18 new wells planned in KR-4. Ten of the wells are scheduled for completion in the next six months, and the remaining eight will be started in the spring 2008. A milestone has not been tagged to these wells.

Ecology suggested that a milestone package associated with well decommissioning should be revisited, and requested a meeting with RL and EPA to discuss the topic. RL will provide a presentation at the meeting on the status of the current wells.

Refurbish Water Lines

RL provided status on the refurbishing of water lines that was requested by Ecology at the last quarterly.

Hanford K Basins Remediation - TPA M-34 Milestone Review

Significant accomplishments

RL received feedback from DOE-Carlsbad Field Office on the acceptability of the existing sludge characterization data. The data provided in 2005 was reviewed and found to be lacking

for acceptance of grouted waste drums at WIPP, so additional sampling and characterization is being planned. EPA pointed out that collecting the additional data that WIPP is requiring poses serious issues. Once the sludge goes through the treatment process into a drum it is solidified into concrete, and it is remote-handled, high dose waste. The sludge has now been consolidated into underwater containers. Obtaining a representative sample from these containers would be a difficult process as the sludge in the containers can stratify into layers based on varying densities. Another issue is WIPP still questions whether the knock out pots are considered TRU waste or spent fuel. RL noted that WIPP is involved in the DQO process to assist in providing support of acceptable knowledge of this waste stream.

M-34-00A - Complete removal of the K Basins and their contents

Ecology inquired about the schedule for this milestone. EPA responded that the K Basins project will be moving into the Central Plateau remediation contract within a year. Sludge treatment in K West Basins is delayed substantially due to the process being re-analyzed. RL added that negotiations are ongoing regarding integration of the 100-K Area schedule, and that contract issues are coming up.



Thursday, October 18, 2007
Ecology Offices, Conference Room 3A
3100 Port of Benton Way
Richland, Washington

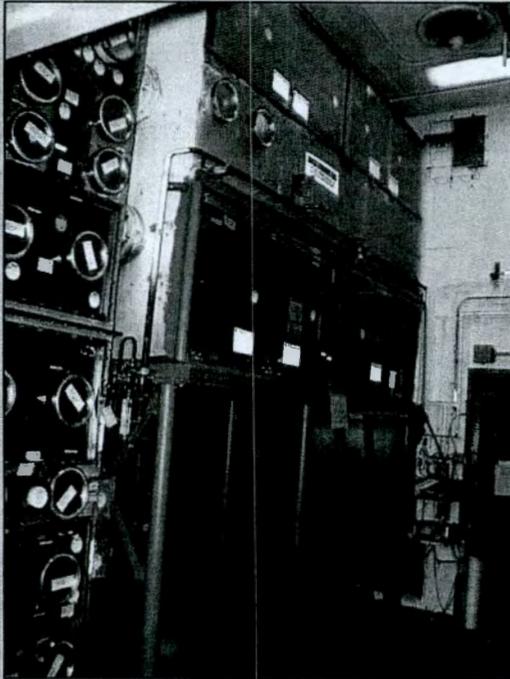
Agenda

Central Plateau Milestone Review Meeting **Chairman: Matt McCormick**

9:00 a.m.	M-83-00	PFP Transition
9:20 a.m.	M-26-01	Land Disposal Restrictions Report
	M-91-00	Acquisition of Facilities to TSD TRU/TRUM and LLMW
9:35 a.m.	M-20-00	Permitting/Closure Plans
9:45 a.m.	M-13-00	Operable Unit Work Plans
	M-15-00	RI/FS Process Completion
	M-16-00	Complete Remedial Actions
	M-24-00	Groundwater Well Installation
10:30 a.m.	M-34-00	K Basins Closure Project
11:00 a.m.	Adjourn Milestone Review	

PFP Closure Project TPA Milestone M-083

*Continued internal
cleanout of gloveboxes*



HC-227T

**October 2007
Tri-Party Agreement Milestone
Status Report**



Removal of water walls

*Packaging 3013s
into 9975s*



**Ecology Project Manager - R. Bond
DOE-RL Project Director - E. Mattlin
FH Project Manager - D. B. Klos
FH Environmental - A. M. Hopkins**

M-83 Status for Interim Milestones (as of 9/30/07)

TPA No.	TPA Commitment Date	Milestone Title	Status
M-083-22	9/30/08	SUBMIT EE/CA FOR APPROVAL	<i>Complete</i>
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	<i>Complete</i>
M-083-42	9/30/11	COMPLETE TRANSITION AND DISMANTLEMENT OF THE 241-Z WASTE TREATMENT FACILITY	<i>Complete</i>

Accomplishments

- **Formal notification was received for De-inventory of PFP**
 - Completed packaging of 100 3013s into 9975 shipping containers in preparation for shipment
 - The baseline change request (BCR) to align the baseline with the direction included the deferment of the field work on the Z-9 project to align with PW-1 operable unit remediation
- **Received the structural assessment of the 216-Z-9 crib slab**
 - Determination was made that the slab was adequate to take the full design loads
- **Completed 242-Z airlock lay-up scope**
- **Completed draining of liquid from Pulser glovebox**
- **Continued equipment cleanout of 234-5Z gloveboxes**
 - To-date, completed cleanout of 15 out of 17 originally planned for FY07-08

Planned Activities

- **Initiate De-inventory of PFP**
- **Procurement of 9975 containers and Hanford Unirradiated Fuel Package**
- **Continue equipment cleanout on a limited number of 234-5Z gloveboxes**
- **216-Z-9 Transition work**

Schedule / Cost Performance

Fiscal Year to Date Status (through June)

	Fiscal Year to Date				
	BCWS	BCWP	ACWP	SV\$	CV\$
RL-0011 - Nuclear Material Stabilization & Disposal (PFP)	107,922.9	109,096.4	91,734.4	1,173.5	17,362.0

Emerging Items

■ Disposition SNM

- Initiate De-inventory of PFP

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

FYTD Schedule Variance: \$1.2M:

- **Favorable schedule variance is attributed to accelerated progress on 234-5Z glovebox cleanout.**

FYTD Cost Variance: \$17.4M:

- **Favorable cost variance is associated with efficiencies in glovebox planning and cleanout and a more efficient approach to 241-Z cell stabilization activities. Positive variance is partially offset by increased maintenance activities, supply fan spray pan refurbishment, and HVAC recovery actions.**

Issues

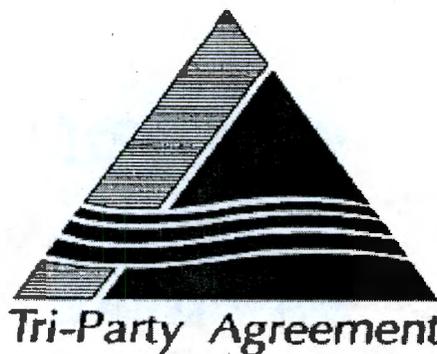
Regulatory Issues:

- None

Non-Regulatory Issues:

- Growing number of maintenance needs and facility and system degradation

**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
Quarterly Presentation
October 18, 2007**



**Deborah Singleton, Ecology Lead
Greg Sinton, RL Project Lead
Cathy Louie, ORP Project Lead**



**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
October 18, 2007**

- Tri-Party Agreement milestone M-26-01 requires annual submittal of the Hanford Site Land Disposal Restrictions (LDR) Report
- TPA change request M-26-06-01 approved December 14, 2006 established summary reports as the deliverable with the full LDR report submitted every 5 years.



**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
October 18, 2007**

- Ecology approved the CY2006 LDR Report on August 2, 2007 after resolving comments
- Monthly Project Manager Meetings (PMMs) are an effective tool for dialogue and as a venue to resolve emerging issues (Hot topics)
 - No current issues to raise to management



**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
October 18, 2007**

Actions Planned for Next Three Months

- Continue the monthly PMMs, as needed
- Continue working on storage assessments of Potential Mixed Waste
- Begin work on CY2007 LDR Summary report in December 2007
- Gather LDR report data in January 2008

Tri-Party Agreement M-91 Milestone Series
Quarterly Presentation

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

October 18, 2007

Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

Significant Accomplishments of Last Three Months:

- Retrieved 1017 m³ of RSW since the last quarterly report (7/17/07 – 10/11/07), bringing the total to 6,789 m³.
 - Started retrieval excavation in burial ground 218-W-3A Trench 17
 - Started 218-W-4B retrieval
- Certified 156 cubic meters of M-91-42 TRU/M (7/6/07- 10/12/07) bringing the total volume certified since 12/31/02 to 2727 m³.
 - Started second shift repackaging operations at T Plant

Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

Significant Accomplishments of Last Three Months:

- Continued ramp-up of TRU/M repackaging: repackaged 378 containers in the July through September quarter.
- Treated 466 m³ of M-91-42 MLLW in the July through October 12, 2007 period, bringing the total to 5,843 cubic meters for M-91-42 MLLW treated.
- Submitted revision 3 of the M-91 Project Management Plan August 30, 2007.

M-91 Status Summary 10/12/07

Milestone	Due Date(s)	Status Summary	Comments
<p>General Comments</p>			<p>A. Status of Change Package M-91-07-01: Ecology management provided extensive comments on the change package on May 8. The change package was revised and tentative agreement was again reached in a meeting on July 5. The revised change package is currently in EPA, Ecology and DOE management review. A revised version was provided by Ecology September 20 that proposes changes based on Ecology/EPA discussions. This revision is currently in RL/DOJ/FH review.</p> <p>B. In this table "On-Schedule" means it is anticipated the milestone will be met.</p>
<p>M-91-00: Major Milestone for acquisition of needed facilities/capabilities for mixed and suspect mixed MLLW, and TRUM and suspect TRUM.</p>	<p>TBD</p>	<p>On Schedule</p>	<p>Draft change package M-91-07-01 includes clarifications and changes to definitions in M-91-00.</p>
<p>M-91-01: Facility/Capability Interim Milestone (RH and/or large container TRUM)</p>	<p>6/30/12</p>	<p>At Risk The current understanding is that this milestone will be considered met by achieving</p>	<ul style="list-style-type: none"> • Engineering Study and Functional Design Criteria were delivered to EPA and Ecology 9/29/06 (06-AMCP-0311). • Briefed Ecology and EPA on the FDC/ES submittal on October 11, 2006. • Comments on the FDC/ES were received from Ecology on November 13, 2006, and responses were provided December 13, 2006.

		<p>capabilities to treat RH/Large transuranic waste at the rates described in M-91-44. As with M-43 it may be desirable to allow early treatment of some of this waste to count toward the initial annual M-91-44 volume</p>	<ul style="list-style-type: none">• Additional evaluation of alternatives to meet needed capabilities is ongoing and updated information is included in the August PMP update.• Preparing necessary documentation to gain approval for continuation of development of capabilities at T-Plant: The CD-0 package was formally sent to HQ for approval March 26, 2007. Final HQ approval had not been obtained as of October 12. We are proceeding with the alternatives analysis. An alternatives analysis study is expected to be completed by March 2008.
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<p>M-91-03: Submit TRUM/MLLW PMP</p>	<p>12/31/03 (COMPLETE), 12/28/06 (Submitted) 3/31/09, 3/31/13</p>	<p>On Schedule/In Project Manager level dispute CP M-91-07-01 will delete the 3/09 and 3/13 submittals. These will be replaced by annual June submittals.</p>	<p>Ecology comments on the PMP were received February 8, 2007. Comment responses with a plan for updating the PMP were provided to Ecology March 12, 2007, in accordance with the schedule in Figure 9.1 of the TPA Action Plan. The plan proposed that the updated PMP addressing comments and revisions based on the change package currently being developed (M-91-07-01) will be submitted 90 days after a Tentative Agreement on change package M-91-07-01 is reached. Ecology responded April 24 indicating the revised PMP should be submitted August 30, 2007. Subsequent revisions are proposed annually in June of each year. The response did not address the M-91-07-01 Change Package tentative agreement which was important in consideration of the proposed timing of the PMP revision since the change package would establish critical information that would guide how the PMP should be updated. In order to meet the August PMP due date preparation of the PMP was conducted based on an "assumed agreement" on the July 7, 2007 draft M-91-07-01 change package. The PMP (Rev 3) was delivered to Ecology August 30. Ecology comments were received October 1 and indicated the PMP "does not meet M-91-03". The primary area of concern is inclusion of a range of potential CERCLA volumes in the PMP. RL delivered an objection letter to Ecology on October 9 in accordance with the TPA process starting the 30 day project manager level of the dispute process.</p>
<p>M-91-05-T01: Complete RH and or large TRUM retrieval/processing Engineering Study/FDC</p>	<p>12/31/07</p>	<p>Complete</p>	<p>Submitted FDC/ES 9/29/06 (06-AMCP-0311). This met the Target date a year early. Comments on the FDC/ES were received from Ecology on November 13, 2006, and responses were provided December 13, 2006 (AMCP-0060).</p>

M-91-12: CH-MLLW Thermal Treatment (600 m ³ cumulative)	11/16/07	Complete (6-14-07)	Documentation for completion of treatment of enough thermal treatment waste to meet the 600 cubic meters milestone was received from Permafix June 14, 2007, approximately five months before the milestone due date. Thermal treatment volumes above the 600 cubic meters are being applied to M-91-42 MLLW treatment requirements.
M-91-12A: CH-MLLW Thermal Treatment (240 m ³)	9/30/05	Complete Met 8-16-05	Completion letter (05-AMCP-0420) sent to Ecology 9/27/05
M-91-15: RH MLLW and/or Large Size MLLW Treatment	6/30/08	On Schedule	<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"> Approval of the M-91-07-01 change package will clarify the requirements of this milestone
M-91-40: Retrieval and designation of CH-RSW (regardless of size)	7200 m ³ cumulative by 12/31/07 and annual retrieval volumes through 2010. Complete retrieval in T-4 by 12/31/06. Plus various other requirements	On Schedule Met 4700 level in November 2006	<ul style="list-style-type: none"> Completed retrieval of 4C Trench 4 waste 11/21/06 Completed retrieval of 4700 cubic meters 1 month early (11/30/06) The April - June SAP quarterly report was sent to Ecology August 14 (no sampling results were received in that quarter). “Step II” sampling (soil sampling in the bottom of and beneath the trenches) is scheduled to start in burial ground W-4C this Fall. 6789 m³ of RSW retrieved as of 10/11/07. Currently plan to start retrieval in E-12B around December, 2007. Started excavation in W-3A T17 9/16/07
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

<p>M-91-42: Treatment of non-large size CH-MLLW and certification of non-large size CH TRUM</p>	<p>Annual treatment requirements through 12/31/09 (MLLW), 12/31/11 (TRUM)</p>	<p>At Risk For MLLW : Funding above the FY08 President's Budget level is needed ;</p> <p>Behind schedule for CH TRUM certification</p>	<ul style="list-style-type: none"> • Met the MLLW 12/31/06 milestone (4890 cubic meters) 4 months early (Aug 29, 2006). Completion letter sent to Ecology October 27. • 5,843 m³ of the MLLW subject to this milestone (MLLW-2 through MLLW-10 excluding MLLW-7) has been treated as of 10/12/07 (6520 m³ required by 12/31/07). Expect to have all waste needed to meet the 12/31/07 milestone, plus an additional 60 cubic meters, shipped by October 19, 2007. • A change package was submitted to Ecology October 2, 2007 proposing moving the 12/31/07 MLLW milestone date to 3/31/08. Ecology disapproved the change package October 16, 2007. Because RL believes there is basis for extending the due date, RL may object to the disapproval. If that is done RL would likely propose extending the dispute at the project manager level to monitor progress toward meeting the existing 12/31/07 due date prior to making a determination as to whether to elevate the dispute. Currently progress toward meeting the 12/31/07 date is good. Status updates are being provided to Ecology weekly. • Shipped 2470 cubic meters of M-91-42 TRU/M and had accumulated a backlog of 257 cubic meters of certified but not shipped TRU/M bringing the total certified TRU/M counting toward M-91-42 to 2727 as of 10/12/07. • Now have two shifts doing repackaging at T-Plant. Ramp-up is continuing and expect to have 2 lines on each shift doing repackaging by the end of the calendar year. • Repackaged 261 drums at T plant in the July-September quarter. • Repackaged 117 drums at WRAP in the July-September quarter. • Have obtained most staff for second shift at WRAP (in training). Expect to have all staff and needed training complete to have second shift operational by the end of the
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Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

RL-13

FISCAL YEAR 2007 PERFORMANCE MEASUREMENT - SEPTEMBER

Dollars in Thousands

Title	Fiscal Year-To-Date				
	Budgeted Cost		Actual Cost	Variance	
	Work Scheduled	Work Performed	Work Performed	Schedule	Cost
Central Waste Complex (CWC)	7,696.8	7,892.0	8,995.0	195.2	(1,103.0)
Waste Receiving and Processing Facility (WRAP)	12,008.5	12,297.9	12,314.9	289.4	(17.0)
Solid Waste Treatment Facility	16,973.2	15,236.2	16,485.9	(1,737.0)	(1,249.7)
MLLW Treatment	13,670.3	14,419.6	14,866.3	749.3	(446.7)
TRU Retrieval	31,541.5	31,031.2	30,402.6	(510.3)	628.6
WIPP Certification	22,108.2	19,633.6	22,961.2	(2,474.6)	(3,327.6)
WSD Project Management	20,143.1	20,269.9	18,345.7	126.8	1,924.2
RL-13 Grand Total	163,727.0	158,422.1	163,322.0	(5,304.9)	(4,900.0)

			<p>calendar year.</p> <ul style="list-style-type: none"> • Approximately 87% of the 12/31/02 TRUM backlog had been certified or was determined to be LLW as of 10/12/07. • 231-Z waste stream approved by CBFO last month
<p>M-91-43: Designation and treatment of RH and or Large Size MLLW</p>	See Comment Column	On Schedule	<ul style="list-style-type: none"> • Treated 193 m³ of MLLW-07 since 12/31/02. • Clarifications on how M-91-43 will be met are being proposed in change package M-91-07-01. • Pursuing PFNW capability to process containers larger than 10 cubic meters. Currently planning shipment of a large container to test/demonstrate the capability.
<p>M-91-44: Designation of Newly Generated and Stored RH and or Large Size Transuranic Waste and Large/RH TRUM certification</p>	See Comment Column	At Risk	<ul style="list-style-type: none"> • Existing requirements include: a) Designate all RH and large size Transuranic waste in storage by 12/31/12. b)Begin treating RH and/or large container TRUM at a minimum rate of 300 cubic meters per year by 6/30/2012
<p>M-91-45: RH and or Large Size Waste Annual Report</p>	9/30/04 and annually thereafter	On Schedule	2007 report was mailed to Ecology 9/24/07 (07-AMCP-0293).
<p>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.</p>	9/30/2006	<p>Complete</p> <p>Next revision is anticipated to occur in 2009.</p>	<ul style="list-style-type: none"> • Report Delivered to EPA and Ecology 9/29/06 (06-AMCP-312) • Briefing to EPA and Ecology on workplan October 11, 2006

Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

RL-13 Variance Description:

- **FYTD Schedule Variance:** T-Plant upgrade projects (Roof, Drum Storage Building) behind schedule due to resource availability issues and late award of drum storage contract. 2007 WIPP certification activities completed ahead of schedule in FY06 resulting in a negative schedule variance in FY07.
- **FYTD Cost Variance:** Implementation of the drum venting system unit at CWC required extensive design updates. T-Plant roof replacement demolition over-ran due to planning issues that resulted in start and restart of work while maintaining workforce. Overtime was used to recover WIPP certification from CSER issue.

Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

Actions Planned for Next Six Months

- Continue certification and shipment of transuranic waste to WIPP (two shipments per week) and treatment of MLLW.
- Complete treatment of 6,520 m³ (cumulative) of M-91-42 waste.
- Continue implementation of actions to improve certification rates:
 - Expect to have 2 crews on each shift at T-plant by the start of January
 - Expect to have second WRAP shift fully operational by the start of January
- Obtain approval of the M-91 Change Package M-91-07-01.
- Continue retrieval and meet the M-91-40 milestone to retrieve 7200 m³ by 12/31/07.
- Obtain approval of revision 3 of the M-91 PMP and start work on the next update currently planned to be submitted in June 2008.



M-20 Milestone Review Permits and Closure Plans

Presented by:
Tony McKarns
U.S. Department of Energy

October 18, 2007

Closure Plan Milestone Status

M-20 **12/31/08**

Complete when M-20-54 is completed 12/31/08

M-20-00B **12/31/08**

Complete when M-20-54 is completed 12/31/08

M-20-54 **12/31/08**

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.



Hanford Facility RCRA Permit Status

- The Hanford Facility RCRA Permit expired on 9/27/04. Permittees reviewing Ecology's response to comments provided on the Pre-Draft Permit Conditions (Parts I & II), Rev. 9. Ecology is providing draft unit-specific Permit conditions to Permittees as they are completed for review and comment.
- The Permittees continue to operate under RCRA Permit Revision 8B, until a new Permit is in effect.



Accomplishments - last 3 months

- Ecology
- Ecology has prepared draft unit-specific conditions for the following units, however, these units are still going thru in-house review and will be shared when they are complete.
 - **Double Shell Tank System**
 - **PUREX Storage Tunnels 1 & 2**
 - **400 Area Waste Management Unit**
 - **331-C Storage Unit**
 - **325 HWTU's**
 - **216-S-10 Pond & Ditch**
 - **LERF/ETF**
 - **242-A Evaporator**



Accomplishments - last 3 months

- DOE submitted the Mapping & Marking Report of dangerous waste underground pipelines required by Permit Conditions II.U and II.V.
- DOE submitted quarterly Class 1 modifications for quarter ending 9/30/07
- DOE completed the Annual Inspection of Hanford Site Columbia River Shorelines
- DOE submitted 224-T TRUSAF Part A Form, Closure Plan, and SEPA Checklist



Planned Actions - next 6 months

- Ecology will provide for DOE/Contractor review of draft Permit for Parts I & II, DST System, 400 Area WMU, 216-S-10 Pond & Ditch, 331-C Storage Unit, 325 HWTU's, LERF & 200 Area ETF, CWC, WRAP, and 242-A Evaporator.
- Ecology will be issuing Revision 8C.
- Ecology informally respond to permit documentation changes related to groundwater for LERF, 183-H, and 300 APT
- Ecology prepare responsiveness summary and issue Permit Conditions for the Waste Treatment Plant 2+2 Permit modification
- Ecology prepare responsiveness summary and issue Permit Conditions for the IDF Permit modification to Revision 8B.
- Ecology review/approve Class 1 modifications for quarter ending 9/30/07
- Ecology continue to provide Pre-Draft Unit-Specific Permit Conditions for Permit renewal for Permittee review & comment.



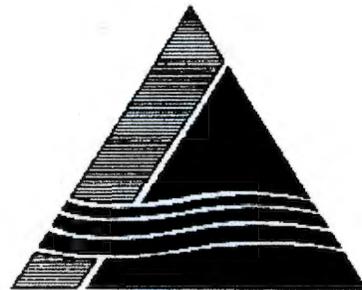
Planned Actions - next 6 months

- DOE submit recertified WESF Part B permit application
- DOE submit the quarterly Class 1 modifications for quarter ending 9/30/07
- DOE submit the 1706-KE Waste Treatment System Closure Plan, Part A Form, and SEPA Checklist
- DOE submit the LLBG Part A Form, Rev. 13, and SEPA Checklist to Ecology
- DOE submit certified Part A Forms (207-A, 216-A-10, 216-A-29, 216-A-36B, 216-A-37-1, 216-B-3, 216-B-63, 216-S-10, NRDWL, Hexone Storage & Treatment Facility, 241-CX Tank System).



CENTRAL PLATEAU MILESTONE REVIEW

M-013-00, 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
4th Quarter FY07
October 18, 2007**

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
M-013-00			
M-013-06B	3/31/07	Submit the 200-BP-5 OU RI/FS Work Plan to EPA.	COMPLETE
M-013-10A	9/30/07	Submit the 200-PO-1 OU RI/FS Work Plan to Ecology.	COMPLETE
M-013-27	6/30/07	Submit a revised RI/FS Work Plan for the 200-IS-1 and 200-ST-1 OUs to Ecology.	COMPLETE
M-013-28	9/30/07	Submit a revised RI/FS Work Plan for the 200-SW-1 and 200-SW-2 OUs to Ecology.	COMPLETE
M-013-50	3/31/07	Submit to Ecology and EPA one RI/FS work plan for all supplemental characterization required for 200 Area OUs.	COMPLETE
M-013-51	12/31/06	Submit an addendum to the 200-TW-1/2 PW-5 OU Group RI/FS work plan.	COMPLETE

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
M-015-00 and M-015-00C			
M-015-17A	11/30/10	Submit 200-UP-1 RI/FS and PP.	-----
M-015-21A	10/31/10	Submit 200-BP-5 FS and PP.	-----
M-015-38B	05/31/09	Submit 200-CW-1 Revised FS and PP.	Upon approval of the SAP, a TPA CR will move the milestone accordingly.
M-015-40D	04/30/08	Submit 200-CW-2, 200-CW-4, 200-CW-5, and 200-SC-1 Revised FS and PP.	Change request in process to remove SC-1 and establish a new milestone, M-15-40E to allow additional field work, 12/31/2010.
M-015-42D	12/31/11	Submit 200-TW-1 and 200-PW-5 Revised FS and PP.	-----
M-015-42E	12/31/11	Submit 200-TW-2 Revised FS and Revised Recommended Remedies.	-----
M-015-43D	12/31/10	Submit 200-PW-2 and 200-PW-4 FS and Revised Recommended Remedies.	-----
M-015-44B	12/31/08	Submit 200-MW-1 FS and PP.	On Schedule
M-015-45A	10/31/06	Submit 200-PW-1 Remedial Investigation Report.	COMPLETE
M-15-45B	9/30/07	Submit 200-PW-1, 200-PW-3, and 200-PW-6 FS and PP.	COMPLETE
M-015-46B	12/31/11	Submit 200-LW-1 and 200-LW-2 FS and Recommended Remedy.	-----
M-015-48B	9/30/07	Submit 200-ZP-1 FS and PP.	COMPLETE

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
M-015-00 and M-015-00C (continued)			
M-015-49A	12/31/08	Submit 200-MG-1 FS and Recommended Remedy.	On Schedule
M-015-49B	12/31/08	Submit 200-MG-2 FS and PP.	On Schedule
M-015-50	12/31/07	Submit Treatability Test Plan for Deep Vadose Zone Tc-99 and Uranium.	On Schedule
M-015-51	4/30/10	Submit 200-BC-1 Revised FS and PP or BC Cribs and Trenches.	-----
M-016-00 Remedial Design / Remedial Action			
M-016-00	09/30/24	Complete Remedial Actions for all Non-Tank Farm Operable Units.	-----
M-016-14A	5/31/07	Complete Construction of Permeable Barrier for 100-NR-2	COMPLETE
M-016-14B	8/31/08	Submit Draft CERCLA Proposed Plan for 100-NR-1/100-NR-2.	On Schedule

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
M-024-00			
M-024-57J	12/31/06	DOE Shall Install a Cumulative of 60 Wells by 12/31/06.	COMPLETE
M-024-57M	12/31/07	DOE Shall Install a Cumulative of 75 Wells by 12/31/07.	COMPLETE
M-024-57N	12/31/08	DOE Shall Install a Cumulative of 90 Wells by 12/31/08.	Completion of negotiation date extended to 10/31/07.
M-024-57O	12/31/09	DOE Shall Install a Cumulative of 105 Wells by 12/31/09	-----
M-024-00	TBD	Complete Well Installations in Accordance with RCRA/CERCLA Requirements.	-----

Significant Accomplishments

Submit a RI/FS Work Plan for the 200-PO-1 OU to Ecology

- Completed DOE/RL 2007-31 Draft A RI/FS Work Plan (M-13-10A) ahead of schedule.
- Completed RI/FS Characterization SAP (included in the Draft A Work Plan Appendix A).
- Completed the DQO Summary Report (SGW-34011 Rev. 0).

200-BP-5

- Drilling has been initiated on BP-5 and the 100-foot level has been reached at the first well.

200-SW-1 and 200-SW-2

- Completed DOE/RL 2004-60, Draft B RI/FS Work Plan (M-13-028).

Significant Accomplishments

200-BC-1

- Electrical Resistivity Correlation SAP revised, following incorporation of EPA comments.
- SAP for Phase I of excavation-based Treatability Test approved by EPA. Direct push hole installation and gamma logging initiated.

Significant Accomplishments

M-15-00 and M-15-00C

200-ZP-1

- Completed hookup of two T Farm extraction wells to 200 Area Effluent Treatment Facility.
- One of 3 new 200-ZP-1 groundwater monitoring wells is approaching total depth to define downgradient boundary plume.
- Draft A FS and PP was submitted to EPA on September 27, 2007, achieving TPA Milestone M-015-48B.

200-UP-1

- Pumped approximately 3 million gallons to LERF as of 10/1/07.
- Completed all preparatory work to support the well drilling efforts that are scheduled to begin by the second week of October.

200-PW-1

- Added three new wells to the vapor extraction system.

Significant Accomplishments

M-15-44B

- High-risk borehole in the 216-A-2 Crib reached total depth of 325 ft bgs on August 22, 2007.

M-15-45B

200-PW-1/3/6

- Draft A FS and PP were transmitted to EPA on 9/28/07 meeting this milestone.
- Revision 0 of the Remedial Investigation Report transmitted to EPA on 9/28/07.

M-16-00

- Completed sampling of the 241-U-361 Settling Tank.
- Completed remediation of 200-CW-3 waste sites 2, 3, 5 and 7.

M-24-00

- Completed 15 of 15 CY 2007 wells.
- A new Change Request package is being negotiated for the M-24 Commitments.

Other Items of Interest

- Completed removal action at U-Plant 200-W-42 pipeline.

RL-30 Groundwater/Vadose Zone FYTD Cost/Schedule Status (\$ in thousands)

Workscope	BCWS	BCWP	ACWP	SV	CV	BAC
4.1.7.1 - Groundwater/Vadose Zone Integration	9,919.6	8,777.2	7,668.2	(1,142.4)	1,109.0	9,919.6
4.1.7.2 - Recharge Control	125.4	12.7	69.0	(112.7)	(56.3)	125.4
4.1.7.3 - Well Management	7,088.9	6,233.5	7,311.0	(855.4)	(1,077.5)	7,088.9
4.1.7.4 - Project Management	5,982.8	5,982.8	5,271.0	0.0	711.8	5,982.8
4.1.7.5 - Integrated Field Work	6,771.2	6,590.3	6,792.7	(180.9)	(202.4)	6,771.2
4.1.7.6 - Groundwater Monitoring and Performance Assessments	11,273.1	11,029.5	12,114.4	(243.6)	(1,084.9)	11,273.1
4.1.7.10 - 100 BC-5 Operable Unit	174.1	174.1	54.9	0.0	119.2	174.1
4.1.7.11 - 100 KR-4 Operable Unit	6,274.5	6,829.0	6,747.9	554.5	81.1	6,274.5
4.1.7.12 - 100 NR-2 Operable Unit	3,013.7	3,013.7	3,137.3	0.0	(123.6)	3,013.7
4.1.7.13 - 100 HR-3 Operable Unit	5,443.2	5,006.1	3,370.1	(437.1)	1,636.0	5,443.2
4.1.7.14 - 100 FR-3 Operable Unit	139.8	139.8	44.0	0.0	95.8	139.8
4.1.7.20 - 200 BP-5 Operable Unit	2,311.4	2,105.2	2,095.1	(206.2)	10.1	2,311.4
4.1.7.21 - 200 PO-1 Operable unit	939.8	741.2	662.5	(198.6)	78.7	939.8
4.1.7.22 - 200 UP-1 Operable Unit	787.4	757.4	476.0	(30.0)	281.4	787.4
4.1.7.23 - 200 ZP-1 Operable Unit	5,848.4	6,152.0	5,032.4	303.6	1,119.6	5,848.4
4.1.7.24 - 200 ZP-2 Operable Unit	738.3	768.5	766.1	30.2	2.4	738.3
4.1.7.30 - 300 FF-5 Operable Unit	2,606.9	2,049.1	1,880.7	(557.8)	168.4	2,606.9
TOTAL - PBS RL-0030	69,438.5	66,362.1	63,493.3	(3,076.4)	2,868.8	69,438.5

RL-40 Waste Site Remediation Project

FYTD Cost/Schedule Status

(\$ in thousands)

Workscope	BCWS	BCWP	ACWP	SV	CV	BAC
4.1.2.8.1 - Central Plateau Integration and Planning	4,641.3	4,562.1	4,692.2	(79.2)	(130.1)	4,641.3
4.1.2.8.2 - Ecological Risk Assessments	1,026.3	1,121.2	1,165.9	94.9	(44.7)	1,026.3
4.1.2.8.4 - 200-BC-1 BC Cribs, Trenches, and Control Area Remediation	1,411.1	715.3	1,310.4	(695.8)	(595.1)	1,411.1
4.1.2.8.5 - 200-CW-1 Gable Mountain/B Pond CWG	2,472.5	271.2	160.2	(2,201.3)	111.0	2,472.5
4.1.2.8.6 - 200-CS-1 Chemical Sewer Group	283.2	328.5	766.5	45.3	(438.0)	283.2
4.1.2.8.7 - 200-CW-5 Ponds/Z Ditches CWG	486.6	310.1	340.7	(176.5)	(30.6)	486.6
4.1.2.8.8 - 200-TW-1/PW-5 Scavenged Waste Group	69.2	31.1	45.3	(38.1)	(14.2)	69.2
4.1.2.8.9 - 200-PW-2/4 Uranium Rich Process	223.0	62.3	90.0	(160.7)	(27.7)	223.0
4.1.2.8.10 - 200-PW-1/3/6 Plutonium Rich Process	1,371.4	1,609.1	1,853.9	237.7	(244.8)	1,371.4
4.1.2.8.11 - 200-LW-1/2 200A Chemical Lab Waste Group	96.6	55.6	81.1	(41.0)	(25.5)	96.6
4.1.2.8.12 - 200-MW-1 Miscellaneous Waste Group	4,189.1	4,069.0	2,917.4	(120.1)	1,151.6	4,189.1
4.1.2.8.13 - 200-UR-1 Unplanned Releases Waste Group	1,086.8	974.3	1,164.3	(112.5)	(190.0)	1,086.8
4.1.2.8.14 - 200-SW-1/2 Non-radiological and Radiological Landfills	1,038.2	951.5	843.7	(86.7)	107.8	1,038.2
4.1.2.8.15 - 200-IS-1 Tanks, Boxes, Pits, and Lines Group	839.6	743.1	810.3	(96.5)	(67.2)	839.6
4.1.2.8.16 - 200-BP-1 Hanford Prototype Barrier	112.0	110.6	100.4	(1.4)	10.2	112.0
4.1.2.8.17 - Burial Ground Sampling and Analysis	220.2	116.8	128.7	(103.4)	(11.9)	220.2
4.1.2.8.20 - M-15 Replanning	0.0	0.0	0.0	0.0	0.0	0.0
4.1.2.8.21 - 200-TW-2 Scavenged Waste Group	31.1	31.1	11.7	0.0	19.4	31.1
4.1.2.8.22 - 200-MG-1/2 Model Group 1 Sites (Ecology & EPA)	667.1	667.1	214.8	0.0	452.3	667.1
4.1.2.8.24 - 200-SC-1 Steam Condensate	225.2	262.5	92.9	37.3	169.6	225.2
TOTAL - PBS RL-0040 WS	20,490.5	16,992.5	16,790.4	(3,498.0)	202.1	20,490.5

RL-30 Performance Variances

Subproject	FYTD Variance	Causal Factors
Significant Schedule Variances		
4.1.7.1 - Groundwater/Vadose Zone Integration	(1,142.4)	Competing priorities delaying placement of various subcontracts associated with technology development, replanning scope and schedule for FY-08.
4.1.7.3 - Well Management	(855.4)	Contract placement delays and cultural resource review schedule impacts delayed drilling starts.
4.1.7.5 - Integrated Field Work	(180.9)	Delayed procurement of purge water truck and ETF resin regeneration testing delays.
4.1.7.6 - Groundwater Monitoring and Performance Assessment	(243.6)	Delayed receipt of sample analytical results; delayed library move.
4.1.7.11 - 100-KR-4 Operable Unit	554.5	FY-07 completion of FY-06 scope for the KR-4 pump and treat expansion.
4.1.7.13 - 100-HR-3 Operable Unit	(437.1)	Resin regeneration.
4.1.7.23 - 200-ZP-1 Operable Unit	303.6	Schedule recovery from FY-06 workscope.
4.1.7.30 - 300-FF-5 Operable Unit	(557.8)	Delays in the LFI Report and the Risk Assessment Report.
Significant Cost Variances		
4.1.7.1 - Groundwater/Vadose Zone Integration	1,109.0	Subcontract costs are not being realized; staff wage rate is lower than anticipated; and mapping services costs have been less than planned.
4.1.7.3 - Well Management	(1,077.5)	Cost increases due to problems with well drilling at 200-ZP-1.
4.1.7.4 - Project Management	711.8	Favorable passback (variance distribution collection account).
4.1.7.5 - Integrated Field Work	(202.4)	Higher than planned solid waste readiness-to-serve charges.
4.1.7.6 - Groundwater Monitoring and Performance Assessment	(1,084.9)	Unplanned cost growth for sample analyses; higher than planned sampling load.
4.1.7.13 - 100-HR-3 Operable Unit	1,636.0	Labor, material, and subcontract efficiencies associated with pump and treat operations.
4.1.7.23 - 200-ZP-1 Operable Unit	1,119.6	Lower than projected costs for FS/PP preparation and pump and treat operations.

RL-40 WS Performance Variances

Subproject	FYTD Variance	Causal Factors
Significant Schedule Variances		
4.1.2.8.4 - 200-BC-1 Cribs, Trenches, and Control Area Remediation	(695.8)	Delays in ERC validation planning, mobilization, and field work resulting from new characterization requirements identified in the DQO & SAP; additional time required to implement "Expert Panel" recommendations into the DQO & SAP; delays in starting Treatability Test DPTs due to changed characterization requirements identified in the DQO & SAP.
4.1.2.8.5 - 200-CW-1 Gable Mountain/B Pond CWG	(2,201.3)	All field work was delayed until FY-08 due to the delay in receiving SAP comments and approval.
Significant Cost Variances		
4.1.2.8.4 - 200-BC-1 Cribs, Trenches, and Control Area Remediation	(595.1)	Cost of casing material not included in DPT estimate; sub-contractor cost overruns in preparing and issuing ERC Validation DQO and SAP final documents; planning, mobilization, and standby cost overruns for Treatability Test DPT field work; additional costs to implement "Expert Panel" recommendations into DQO & SAP.
4.1.2.8.6 - 200-CS-1 Chemical Sewer Group	(438.0)	Additional costs associated with Risk Assessment and FS updates.
4.1.2.8.12 - 200-MW-1 Miscellaneous Waste Group	1,151.6	Lower than planned costs for the A-4 borehole due to less high risk work than planned which also resulted in lower than planned analytical costs.

Planned Activities

Next 6 Months

221-U Facility/Canyon Disposition Initiative

- Revised Remedial Design/Remedial Action Work Plan will be finalized.

Other Facility D&D

- PUREX Canyon DQO process will be completed and the DQO Summary Report will be issued.
- Establish TPA agreement-in-principle on Central Plateau facility disposition, including 221-U Facility.

200-CW-3

- Revise SAP and RAWP to sample 216-N-1, 4, and 6.
- Develop EE/CA for demolition of three (3) 200-N buildings (212-N, P, R).

BC Control Area

- Issue EE/CA

Planned Activities

Next 6 Months

100-HR-3

- Complete the wells for the "Horn Investigation."

100-NR-2

- Monitor barrier chemistry.

100-BC-5

- Monitor the two new wells within a waste site.

200-BP-5

- Complete drilling 299-E27-155 (O well), 699-52-554 (N well), 299-E33-344 (B well), and 299-E33-343 (A well).
- Update Groundwater Sampling and Analysis Plan Rev 2.
- Update Groundwater Waste Control Plan.
- Complete Rev 1 Work Plan and SAP.

200-CW-1

- Perform supplementary investigation activities after SAP approval.

200-CW-5

- Complete Z Ditch Study.
- FS and PP preparation.

Planned Activities

Next 6 Months

200-IS-1

- Work with Ecology to obtain approval of the 200-IS-1 Work Plan.
- Submit Treatability Test Plan for Hanford Pipeline Remediation.

200-PO-1

- Work with Ecology, EPA and Stakeholders on Work Plan Draft A comment resolution and issue Rev. 0.
- Initiate Work Plan RI/FS Phase I investigation activities.

200-UP-1

- Complete installation of final 6 wells in support of the RI/FS process.

BC Crib and Trenches

- Initiate drilling/sampling to establish correlations between Electrical Resistivity characterization data and soil contaminant concentrations.
- Complete DPT/gamma logging/sampling campaign (Phase I of excavation-based treatability test) at 216-B-26 Trench.

200-MG-1,-MG-2

- Prepare 200-MG-1 Draft A Feasibility Study and Recommended Remedy.
- Prepare 200-MG-2 Draft A Feasibility Study and Proposed Plan.

Last Quarter Issue

Refurbish Water Lines

- DOE RL refurbished approximately 3,300 linear feet of 12" potable water line in the 200 East Area from July 27 to October 8, 2007.
- The water line is located on the south side of 4th avenue between the 200E Water Treatment Plant & PUREX.
- The potable water system has been placed back into service. All water samples taken and analyzed by Benton County Laboratory were satisfactory.
- Several additional refurbishing projects are on the priority list, but are currently below target in FY08 and FY09.

Planned Activities

Next 6 Months

200-UW-1

- Submit RTD RAG Values report for Ecology review.
- Evaluate decision document regulatory pathways, reach Tri-Party agreement.

200-ZP-1

- Complete treatability testing for Tc-99 removal.
- Complete drilling and sampling of 2 new groundwater monitoring wells.
- Issue Draft A FS and PP based on EPA comments.
- Begin design work for hooking up new groundwater extraction wells.

200-PW-1, -PW-3, -PW-6

- Hold a stakeholder meeting in December 2007 to provide an overview of the contents of the FS and PP. Will be a joint meeting with ZP-1.
- Revise the Draft A FS and PP based on EPA comments.

Hanford K Basins Remediation

Tri-Party Agreement M-34 Milestone Review



***U.S. Department of Energy
Richland Operations Office (RL)
Fourth Quarter FY 2007***

October 19, 2007



EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

www.em.doe.gov

TPA Milestone Status

Remaining Milestones Due Fiscal Year 2006-2009

Number	Milestone Title	Due Date	Status/Comments
M-34-35	Containerize K West Sludge b. Complete final pass clean up.	b. 01/31.2008	• In progress.
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.	12/31/2008	At Risk. Milestone renegotiation required. The milestone is impacted by withdrawal of early procurement authority for the Sludge Treatment Project and a requirement to conduct integrated Critical Decision and Technology Readiness Assessments process.
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	Currently in dispute. Milestone renegotiation required. The milestone date is out of sync with approved TPA changes under TPA CR M-34-05-04 that changed completion of K East sludge removal to 05/31/07. This milestone is in dispute at the TPA IAMIT level.
M-34-31	Complete Sludge Treatment This interim milestone will be complete following treatment and package of all sludge for disposal offsite.	11/30/2009	At Risk. Milestone renegotiation required. The milestone is impacted by withdrawal of early procurement authority for the Sludge Treatment Project and a requirement to conduct integrated Critical Decision and Technology Readiness Assessments process.
M-34-00A	Complete removal of the K Basins and their contents. Unless otherwise noted, the term "K Basins" is used to denote both K East and K West Basins. 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 that will involve removal of sludge from K West Basin for treatment. Per baseline, M-34-31 will not be completed in time frame that supports this milestone.



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Significant Accomplishments and Status

K East Basin

- Implementing the path forward on K East Basin demolition identified in the Value Engineering sessions.
- Completed disposition of the debris in preparation for grouting.
- In progress on fabrication and installation of the basin dewatering system and the sand filter media sluicing system.
- Detailed planning and execution of pre-demolition and demolition activities in progress.

K West Basin

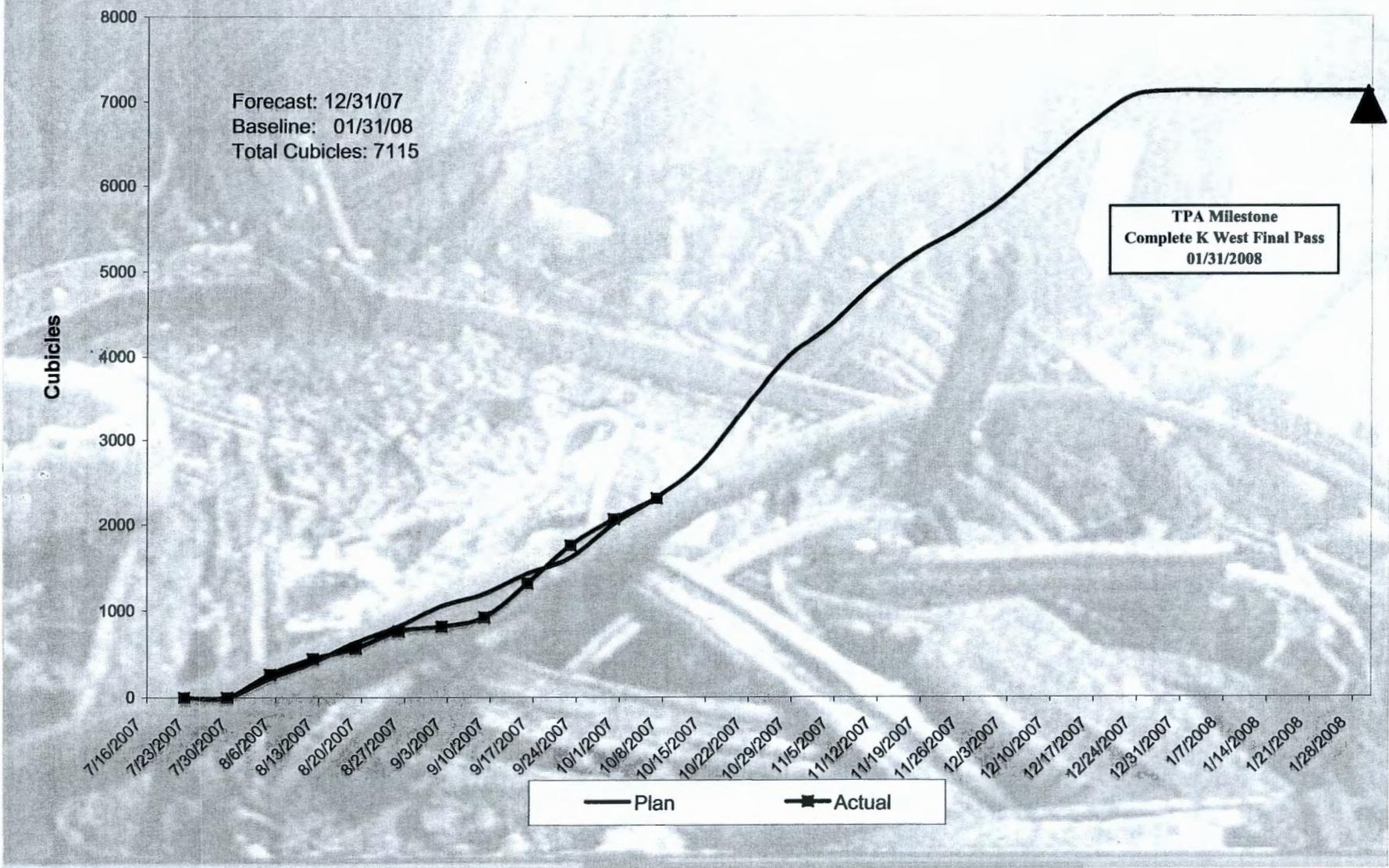
- Completed bulk sludge and initiated Final Pass sludge containerization.
- Performing maintenance to restore fuel processing equipment to service for upcoming Multi-Canister Overpack shipments.
- Initiated debris canister sorting to prepare for legacy fuel processing.



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K West Floor and Pit Sludge Retrieval Final Pass



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Significant Accomplishments and Status - continued

Sludge Treatment

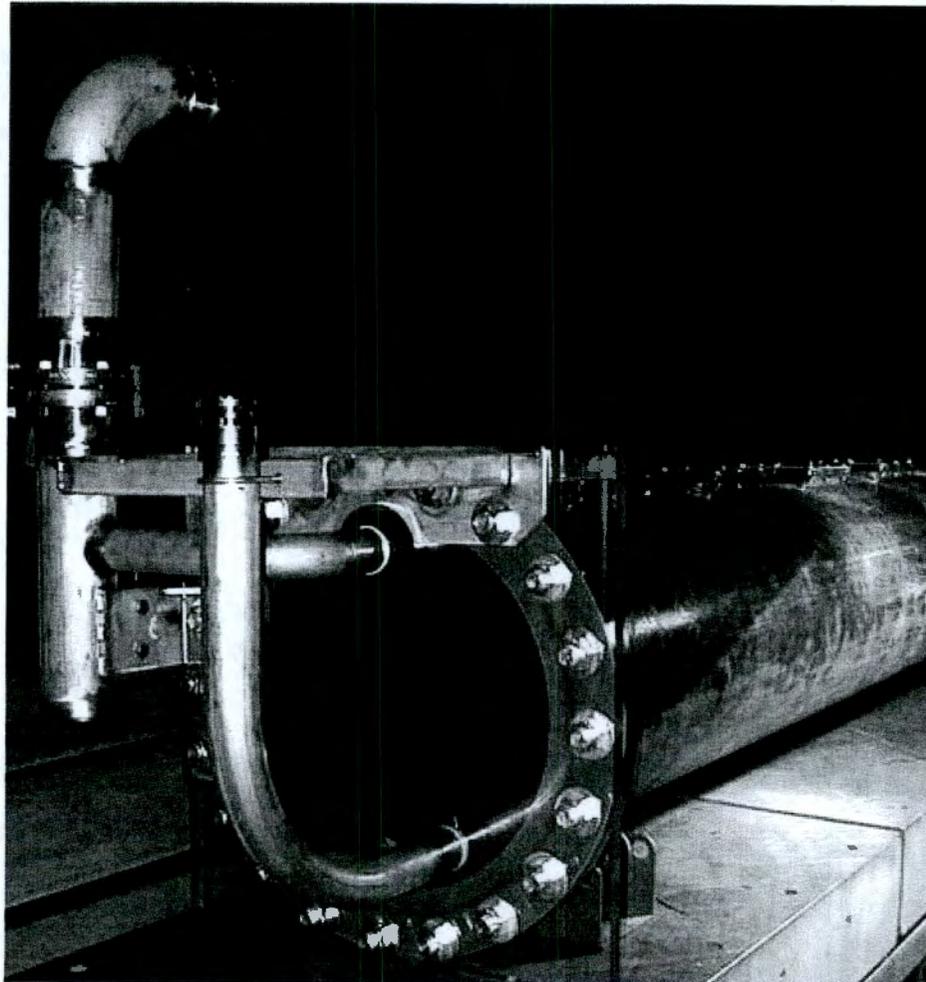
- Provided direction to Fluor Hanford to: (a) direct grout containerized sludge in K West Basin without separation or oxidation of coarse particulates or free metal fines and (b) prepare the Data Quality Objective (DQO) and Sampling and Analysis Plan (SAP) for settler tank and knock out pot (KOP) sludge to fully analyze and characterize these streams to validate the appropriateness of disposing these at WIPP.
- Developed methods to perform ultrasonic measurements on settler tubes.
- Developed technology and successfully demonstrated ability to perform boroscope inspections of settler tubes.
- Received feedback from DOE-Carlsbad Field Office on acceptability of existing sludge characterization data.
- Shipped three drums of treated K East Basin North Loadout Pit (NLOP) sludge to INEL for characterization to support disposal at WIPP.



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Settler Tube Mockup



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*Process Flow Diagram (1) for
Managing the Design, Procurement, and Construction
Associated with Retrieval, Treatment, Packaging of
K Basin Sludge for Offsite Disposal*

	Prepare Mission Statement CD-0	Prepare Conceptual Design CD-1	Prepare Preliminary Design CD-2	Complete Final Design CD-3
	⇒	⇒	⇒	
Containerized Sludge in K West Basin • Retrieve • Solidify • Transfer to 200 Area	In Progress Submit schedule to DOE 10/31/07	By 09/30/08		
Settler Tube and Knockout Pot Sludge 1. Develop DQO 2. Develop SAP 3. Sample and analyze 4. Determine appropriate waste stream at WIPP	By 09/30/08			

(1) DOE Office of Environmental Management Project Definition Rating Index Manual (Conventional Projects)



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Upcoming Activities (Next Three Months)

K East Basin

- Place grout cap on the floor of the K East Basin
- Dewater the K East Basin
- Remove sand media from the sand filter
- Grout the Ion Exchange Columns (IXCs)
- Complete the deactivation phase for K East Basin.

K West Basin

- Continue final pass sludge vacuuming.
- Continue debris canister sorting.
- Perform fuel processing equipment maintenance for MCO restart.
- Remove debris from K West Basin.
- Work with Washington Closure Hanford (WCH) to receive fuel fragments from remedial action operations associated with burial grounds.
- Work with Sludge Treatment Project to plan and integrate and sludge sampling work with other basin activities.



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Upcoming Activities (Next Three Months)

Sludge Treatment

- Continue with conceptual design activities associated with retrieval and treatment by solidification of containerized sludge.
- Prepare DQO and SAP to characterize container sludge and provide data to support "Acceptable Knowledge (AK)" determination of this waste stream.
- Prepare DQO and SAP to characterize settler tube and KOP sludge to allow validation of the appropriateness of these waste streams for disposal at WIPP.
- Develop additional interface agreements between DOE-RL and Carlsbad Field office and their stakeholders as necessary (e.g., EPA, New Mexico Environment Department).
- Secure resources within the CBFO RH-TRU program and as necessary it's contractor for programmatic and technical assistance in project planning and execution.
- Issue a request for proposal to select vendor(s) to perform mockup process testing of various aspects of the sludge treatment process; e.g.,
 - Retrieval from underwater sludge storage containers
 - Retrieval from settler tubes
 - Mixing of sludge to obtain a homogenous mixture



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KBC Project Risk Status

Risks are those factors associated with the Project, both existing and emerging, that can result in cost and schedule impacts. The process by which risks are identified and managed is described in the "KBC Project Risk Management Plan," KBC-28211.

Sub-project	Major Remaining Risks with "Possible" or "Likely" Likelihood of Occurrence	Emerging Risks	Risk Mitigation
K East Basin	<ol style="list-style-type: none"> 1. Radiological conditions encountered during substructure demolition slow productivity. 2. F to G line demolition hazard analysis results in schedule impact to superstructure removal schedule. 3. Inclement weather delays. 		<ol style="list-style-type: none"> 1. Contingent overtime to maintain schedule. 2. Evaluating alternative demolition plans to leave F to G line in place of ISS. 3. Overtime and schedule contingency.
K West Basin	<ol style="list-style-type: none"> 1. Water clarity decreases productivity of sludge containerization at K West Basin. 2. Vacuuming around/under fixed equipment takes longer than planned. 3. Sludge overflows from containers to K West Basin floor during containerization. 4. Future fuel and sludge handling will have potential to deposit additional sludge on K West Basin floor. 5. Lack of defined completion criteria for K West final pass sludge containerization. 6. Need to process "found spent nuclear fuel" with a water treatment system with limited remaining life. 	<ol style="list-style-type: none"> 1. Retaining previously qualified personnel. 2. Sludge sampling will place demands on limited resources and compete with other priority work (e.g., fuel removal) 	<ol style="list-style-type: none"> 1. Maintain sludge pumping and containerization capability. 2. Place visual comparator plates on basin floor to measure redeposition. 3. Final pass completion criteria developed and documented with EPA involvement. 4. Engineering evaluating options for alternative water treatment system.



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KBC Project Risk Status - continued

Risks are those factors associated with the Project, both existing and emerging, that can result in cost and schedule impacts. The process by which risks are identified and managed is described in the "KBC Project Risk Management Plan," KBC-28211.

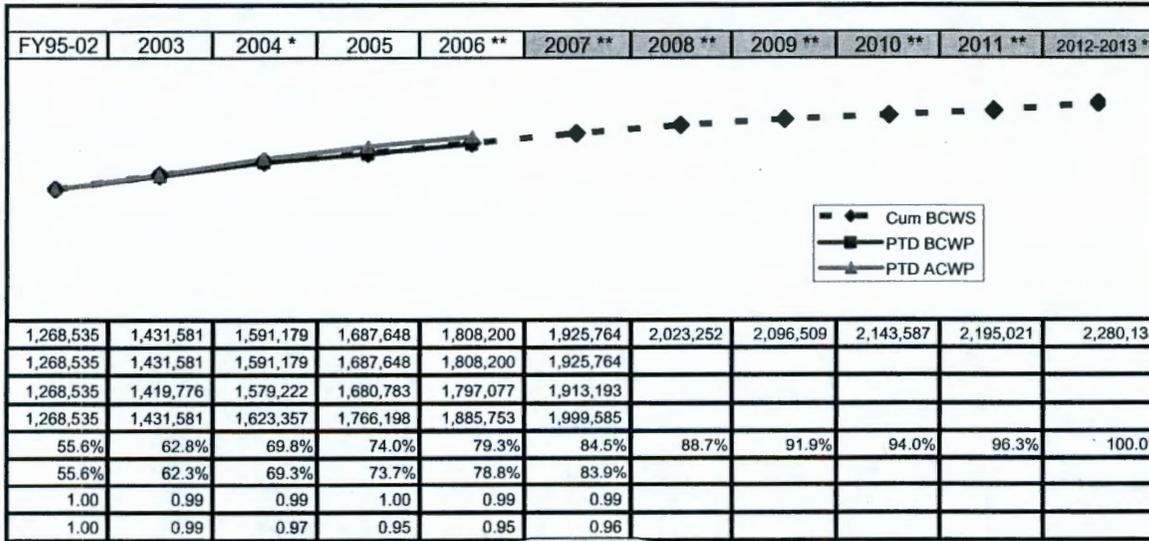
Sub-project	Major Remaining Risks with "Possible" or "Likely" Likelihood of Occurrence	Emerging Risks	Risk Mitigation
Cold Vacuum Drying Facility (CVDF) Fuel Processing		<ol style="list-style-type: none"> 1. Retaining previously qualified personnel. 2. Equipment failure extends processing duration or preparation efforts. 	<ol style="list-style-type: none"> 1. Identify key personnel; review transfer requests; prepare additional training capability and longer training duration. 2. Conduct maintenance as soon as possible; locate and verify spares, order additional as needed.
Sludge Treatment	<ol style="list-style-type: none"> 1. Unexpected process phenomena (chemical and physical reactions/ characteristics are different than expected). 2. Inadequate/insufficient tools impact productivity (i.e., not able to retrieve sludge from knockout pots or settlers). 3. Sludge treatment process may not operate as designed. 4. Sludge treatment process would not operate reliably to meet schedule requirements. 	<ol style="list-style-type: none"> 1. Obtaining timely feedback from CBFO and it's stakeholders. 2. Schedule and cost impacts associated with need to perform additional sludge sampling and analysis. 	<ol style="list-style-type: none"> 1. Implementation of Critical Decision Process in accordance with DOE O 413.3A to provide higher confidence in system reliability. 2. Perform additional laboratory tests with actual sludge samples at PNNL to evaluate and verify process chemistry of sludge for conditions that mimic the process conditions. 3. Brief CBFO and it's stakeholders about past sludge characterization activities and the "representiveness" of the data for "AK" usage.



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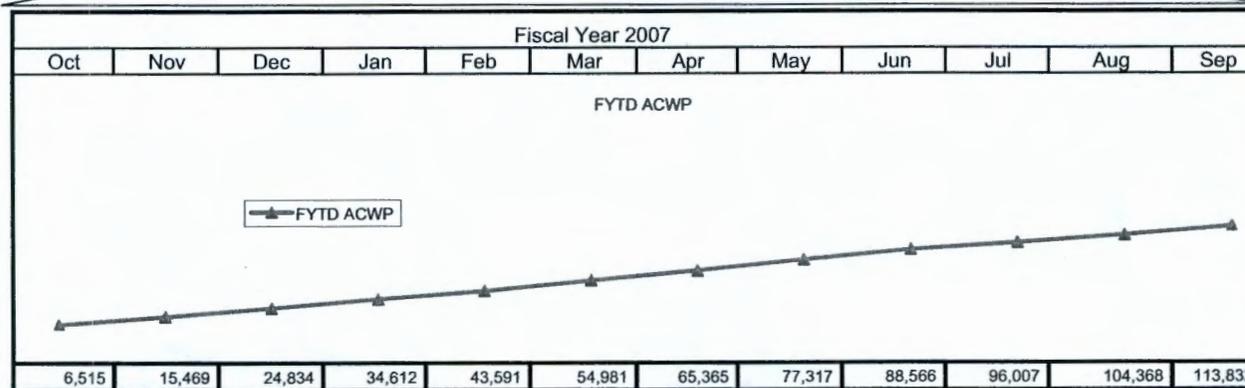
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PBS RL-0012 – Total Project Baseline



Life Cycle	
*BAC=	2,280,135
EAC=	2,353,955
BCWS=	1,925,764
BCWP=	1,913,193
ACWP=	1,999,585
SV=	(12,572)
CV=	(86,393)

Cum BCWS
PTD BCWS
PTD BCWP
PTD ACWP
% Sch
% Cmpl
SPI
CPI



FYTD ACWP

* PHMC Rebaseline Sludge Retrieval & Disposition Project and Decontamination & Decommission Project
** FH-KBC EIR Validated Baseline



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PBS RL-012

Project Performance through Fourth Quarter FY 2007

(\$ in thousands)

	FYTD ACWP
Safe and Compliant (Peres)	\$ 17,453
Sludge Retrieval and Disposition (Peres)	\$ 49,608
Sludge Treatment (Ruscitto)	\$ 29,295
K East D&D (Wilkinson)	\$ 6,716
Closure Services	\$ 10,760
TOTAL	\$113,832



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