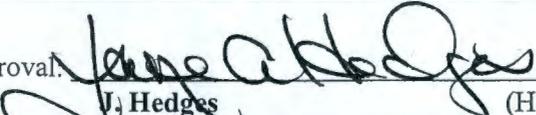
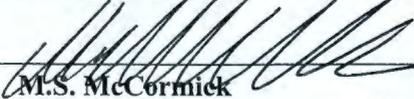
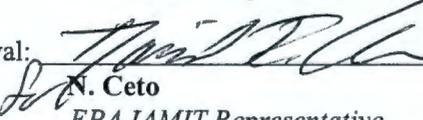


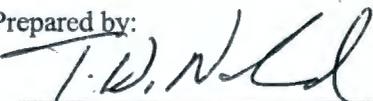
0078837

**Central Plateau/FFTF
Tri-Party Agreement Milestone Review
Meeting Minutes
July 17, 2008**

Approval:  Date: 9/18/08
 J. Hedges (H0-57)
 Ecology IAMIT Representative

Approval:  Date: 9/22/08
 M.S. McCormick (A5-11)
 DOE IAMIT Representative, Chairperson

Approval:  Date: 18 sep 08
 N. Ceto (B1-46)
 EPA IAMIT Representative

Minutes Prepared by:  Date: 9/23/08
 T.W. Noland (H8-12)
 Fluor Federal Services.

Ballinger, K.S.	RL	A7-75	Lobos, R.A.*	EPA	B1-46
Bilson, H.E.	FH	H8-20	Louie, C.S.*	RL	A5-11
Black, D.G.	FH	H8-12	Mandis, M.L.*	Ecology	H0-57
Bloom, R.W.*	FH	T3-10	Mattlin, E.M.*	RL	A5-11
Bond, R.	Ecology	H0-57	McCormick, M.S.	RL	A5-11
Bohnee, G.	NPT		McKarns, A.C.	RL	A5-15
Buelow, L.C.*	EPA	B1-46	Miera, F.R.*	CH2M	H6-03
Cameron, C.E.*	EPA	B1-46	Miskho, A.G.*	FH	H8-12
Ceto, N.*	EPA	B1-46	Morrison, R.D.*	YAH	A5-15
Chapin, D.H.*	RL	A5-11	Niles, K.	OOE	
Charboneau, B.L.	RL	A6-33	Noland, T.W.*	FH	H8-12
Cimon, S.*	ODE		Piippo, R.E.*	FH	H8-12
Crane, T.M.	FH	R3-60	Price, J.*	Ecology	H0-57
Einan, D.R.	EPA	B1-46	Quigley, K.M.*	FH	H8-44
Engelmann, R.H.*	FH	H8-12	Rasmussen, J.*	YAH	A5-15
Farabee, O.A.*	RL	A3-04	Romine, L.D.	RL	A6-33
Faulk, D.A.	EPA	B1-46	Russell, R.W.	ORP	H6-60
Fletcher, T.W.*	RL	A5-11	Skinnarland, E.R.	Ecology	H0-57
Franco, J.R.	RL	A3-04	Singleton, D.G.*	Ecology	H0-57
Gadbois, L.E.	EPA	B1-46	Sinton, G.L.	RL	A6-38
Goswami, D.*	Ecology	H0-57	Thompson, K.M.	RL	A6-38
Harris, S.	CTUIR		Thompson, S.A.*	FH	H8-12
Hedges, J.*	Ecology	H0-57	Voogd, M.J.*	RL	A6-38
Henry, D.	OOE		Weil, S.R.*	DOE	A5-16
Horst, L.	OOE		Whalen, C.L.*	Ecology	H0-57
Huffman, L.A.*	ORP	H6-60	Williams, J.D.*		E6-35
Jim, R.	Yakama		Wise, B.K.		B3-30
Klos, D. B.*	FH	T4-35	Administrative Review		H6-08
Knox, K.E.*					
Lilligren, S	NPT				

*Attendee

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**Central Plateau/FFTF
Tri-Party Agreement Milestone Review
Meeting Minutes
July 17, 2008**

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 the letter transmitting the change package for Milestone M-83-41 is in concurrence and will be transmitted shortly to Ecology and EPA.

Schedule and Cost Performance Fiscal Year to Date

RL noted it has been determined that the lag storage is not needed, and a baseline change request (BCR) has been generated which will partially offset the negative schedule variance. Another BCR has been submitted for the material cost for the un-irradiated fuel package. The cost was originally estimated at approximately three million dollars and came in at almost a million dollars less.

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

RL provided a status on the LDR annual summary report, and the planned actions for the next three months.

TPA M-91 Milestone Series Quarterly Presentation

RL-13, 3rd Quarter Fiscal Year 2008 Performance Measurement - (Oct. - June)

RL reported that the negative schedule variance, which is mostly due to retrieval, is forecasted to recover by the end of July since additional shifts have been implemented.

RL reported that Change Package M-91-08-02 was in concurrence and would be coming over to Ecology soon. An electronic copy of the package had been provided to Ecology so they could begin their concurrence review.

M-20 Milestone Review - Permits and Closure Plans

Milestone M-20-54, 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

Ecology reiterated its concern regarding the development of a compliant closure plan for the 241-CX-72 Storage Tank by December 2008, due to high radiation levels. RL will ensure Ecology is provided information on the status of the 241-CX-72 Storage Tank.

Issue

RL noted its concern with meeting the October 2008 public comment date for the site wide permit. Ecology acknowledged the same concern, noting that the upcoming contractor transition may impact meeting the date.

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

Significant Accomplishments

200-BC-1

RL reported that Phase 2 of the treatability test was completed in the 216-B-26 Trench yesterday, 7/16/08.

Other Items of Interest

200-UR-1 (BC Control Area)

Ecology inquired about the amount of funding available for the BC Control Area excavation, which is scheduled to begin the week of 7/21/08. RL responded that that information would be in forecasted cost, and this report is fiscal year-to-date. RL will provide that information to Ecology.

100-NR-2

Drilling of the six Ringold apatite injection wells was completed, and injection has been initiated.

RL-30 Cost and Schedule Performance Variances and Explanations

The start of the K well in the 200-BP-5 Operable Unit is being delayed to the fall due to weather conditions and high risk for worker exposure.

EPA inquired about the schedule and funding for 100-C-7 within the 100-BC-1 Operable Unit. RL took an action to provide the information in response to EPA's inquiry.

RL-40 Waste Sites Cost and Schedule Performance Variances and Explanations

Ecology noted that the "characterization scope impacted by delays in receipt and resolution of

comments on the RI/FS Work Plan and SAP” for 200-SW-2 was not due to a delay in receipt of Ecology comments. It was agreed to strike the three words “in receipt and.”

Ecology asked when the SW-2 characterization is planned. RL responded that it is currently in FY-09 planning but that FY-09 planning was currently under review to adjust priorities.

Planned Activities Next 6 Months 200-TW-1, PW-5

EPA inquired about the actual schedules for completion of the S-13 borehole and start for T-18 and S-21 pushes. RL took an action to provide this information to EPA.

Ecology requested that RL report on planned work for BC control area and multi-incremental sampling in future reviews including schedule variances if this work is not adequately funded.

Fast Flux Test Facility Transition - TPA M-81 and M-92 Milestone Review

Project Issues/Risks

Approval of FFTF Fire Protection Equivalencies to Achieve Low Cost Surveillance and Maintenance Mode

RL reported that the contractor was requested to provide justification for taking FFTF to a cold and dark status. The issue is the fire and life safety codes that are required to keep the fire protection system running to maintain heating in winter and cooling in summer. The contractor has provided the justification package, which RL plans to approve and return to the contractor by September 19, 2008. This will allow the energy sources to be removed that heat the plant and to drain the fire protection system. The only energy source that will remain will be the electrical power for the fire detection system, which may or may not be needed. All of the fire loading components have been removed from the plant, i.e., the sodium (sodium residuals are covered under an argon blanket) and ignition sources, which is the justification basis for going cold and dark. This will save approximately two to three million dollars a year.

Approval of DSWC Shipping Documentation to Enable Offload of IEM Cell waste

The waste has been moved out of the IEM cell and loaded into the DSWCs. The tie-down apparatus that ties the DSWC to the transport trailer is expected to be approved shortly, which will allow the DSWCs to be shipped to the 200 Area.



Thursday, July 17, 2008
Ecology Offices, Conference Room 3A
3100 Port of Benton Way
Richland, Washington

Agenda
Central Plateau/FFTF 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
10:25 a.m.	M-81-00	Fast Flux Test Facility Transition
	M-92-00	Facilities for Sodium and Special Case Waste
10:45 a.m.	Adjourn Milestone Review	

Inter-Agency Management Integration Team Meeting

July 17, 2008

<u>Name</u>	<u>Organization</u>	<u>Mail Stop</u>	<u>Phone</u>
Terry Noland	Fluor	H8-12	376-6574
2011082	F29		373-3288
Craig Cameron	EPA	B1-46	376-8665
Laura Buelow	EPA	B1-46	370-5166
Tom Fletcher	RL	AS-11	376-4426
Stacey Simon	ODOS		(SAI) 240-0161
Rick Engelmann	FH	H8-12	376-7485
Janice Williams	FH		372-3553
Kau Daughey	FH		376-7779
Deborah Singleton	Ecology		372-7923
Row Morrison	YAHSGS		376-2994
Jim Rasmussen	YAHSGS		376-0704
Richard Bloom	FH	T5-54	372-0014
D.B. KLOS	FH		376-3574
Ellen Matthin	DOE-RL	AS-11	376-2385
Cheryl Wheeler	ECOLOG		372-7972
Tom Miskho	FH	H8-12	376-7313
Catherine, Louise	DOE-RL	AS-11	376-6834
Michelle Mandis	ECY		2-7970
Jane Hedley	ECY		372-7905
STEVE WELK	DOE-RL	AS-15	372-0879
Ron Seignard	ECY		372-7924
John Price	ECY		372-7921
Don Huffman	ORP	H0-60	376-0104
Felix Miera	CH2MHILL		376-7084
Suzette Thompson	FH		
MARCO VODLO	DOE		376-8375
Dis Gasiani	Ecology		372-7902

PFP Closure Project TPA Milestone M-083



***Completed leak testing
of 1,294 9975
Containers***



***Submitted the Hanford
Unirradiated Fuel Package
(HUF) Safety Analysis Report
for Packaging (SARP)***



***Completed process
equipment removal from
glovebox HA-23S***

**July 2008
Tri-Party Agreement Milestone
Status Report**

**Ecology Project Manager – R. Bond
DOE-RL Project Director – E. Mattlin
FH Project Manager – D. B. Klos
FH Environmental – R. Bloom**

M-83 Status for Interim Milestones (as of 06/30/08)

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	TBD
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>
M-083-43	9/30/13	COMPLETE TRANSITION OF THE 242-Z WASTE TREATMENT FACILITY AND 236-Z PRF	<i>On Schedule</i>

Accomplishments

- **Completed internal cleanout of HA23S glovebox in 234-5Z three months ahead of schedule**
- **Initiated internal cleanout of one Plutonium Reclamation Facility (PRF) column glovebox as proposed stretch performance incentive**
- **Continued activities supporting de-inventory**
 - Completed annual maintenance and leak testing of 1,294 plutonium shipping containers six weeks ahead of schedule
 - Completed disposition of comments on the Hanford Unirradiated Fuel Package (HUFP) Safety Analyses Report for Packaging (SARP) and submitted to DOE for approval
 - Conducted a Legacy Fuel Workshop with Washington Savannah River Contractor
 - Issued contract for long lead materials for the HUFP containers
- **Submitted 216-Z-9 Remedial Action Work Plan to RL**

Planned Activities

- **Continue support of Special nuclear material (SNM) consolidation**
 - Procurement of 9975 and HUFY Type-B shipping containers
- **Continue PRF column glovebox cleanout activities**
- **Continue 234-5Z lay-up activities**
- **Complete TPA negotiation on deletion of interim milestone M-083-41 for removal of the 216-Z-9 structure and allow integration of the work scope with the 200-PW-1 Remedial Action**

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)	63,925.1	62,732.9	58,141.3	(1,192.2)	4,591.6

FYTD Schedule Variance: **-\$1.2M:**

- Unfavorable schedule variance is due to a delay in the initiation of work to establish lag storage. In addition, progress on the HUFPS SARP was delayed. Also, loading systems procurement is delayed to align with fabrication of the 13 HUFPS. This is partially offset by accelerated progress on leak testing 9975 containers, recovery of FY07 planned scope, completion of FY07 work scope associated with the 291-Z Duct Stabilization, and early completion of internal clean-out of gloveboxes.

FYTD Cost Variance: **\$4.6M:**

- Favorable cost variance is associated with a passback from pooled services and overheads, efficient performance of FY07 layup scope (291-Z duct stabilization), reduced waste generation and associated disposition costs; resource efficiencies in support of 9975 trefoil welding, annual maintenance and leak testing of the 9975 shipping containers, and glovebox cleanout; partially offset by a heavy maintenance workload due to numerous instrument failures which resulted in the use of additional resources and overtime.

Issues

Regulatory Issues:

■ None

Non-Regulatory Issues:

- Growing number of maintenance needs and facility and system degradation
- Approval of HUFPS Safety Analysis Report for Packaging

**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
Quarterly Presentation
July 17, 2008**



**Deborah Singleton, Ecology Lead
Greg Sinton, RL Project Lead
John Long, ORP Project Lead**



**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
July 17, 2008**

- 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)
July 17, 2008**

- DOE submitted CY 2007 LDR report April 30, 2008.
- DOE met with Ecology to discuss preliminary comments on CY2007 LDR report.
- Ecology transmitted comments on CY2007 LDR report on June 9, 2008
- 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)
July 17, 2008**

Actions Planned for Next Three Months

- DOE transmit comment responses and final CY2007 LDR report by July 28, 2008.
- Ecology to approve CY2007 LDR Report
- Continue the monthly PMMs, as needed
- Continue working on storage assessments of Potential Mixed Waste

Department of Energy – Richland Operations Office

Tri-Party Agreement Quarterly Milestone Review M-91 Series



July 17, 2008



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See status tables for the following: Milestone descriptions, Performance Information, Accomplishments

Significant Accomplishments of Last Three Months (1 of 2):

- Completed the M-91-03 PMP (Rev. 4) and submitted on time (June 30, 2008).
- Certified 85 cubic meters of M-91-42 TRU/M (4/14/08-7/10/08) bringing the total volume certified since 12/31/02 to 3,105 m³.
 - Continued to increase repackaging rates at T Plant and WRAP.
 - Repackaged 713 containers at T-Plant and WRAP in the April-June quarter vs. 439 in the previous quarter.



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Significant Accomplishments of Last Three Months (2 of 2):

- Treated 33 m³ of M-91-42 MLLW in the April - June period, bringing the total to 6,710 cubic meters for M-91-42 MLLW treated.
 - Shipped over 150 cubic meters of M-91-42 MLLW in the April –June quarter.
- Completed discussions and approved M-91-08-03 change package in June to consolidate M-91-45 reporting into the M-91 PMP.
- Completed M-91-15 (RH and large MLLW capabilities) and M-91-43 requirement to complete designation of RH and large container MLLW in above ground storage (completion letter in concurrence).



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**TRU Waste
Retrieval
Operations**



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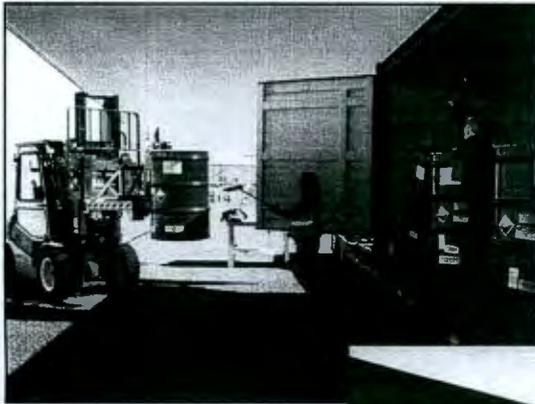
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**CWC expansion
area for box storage**

Central Waste Complex Operations



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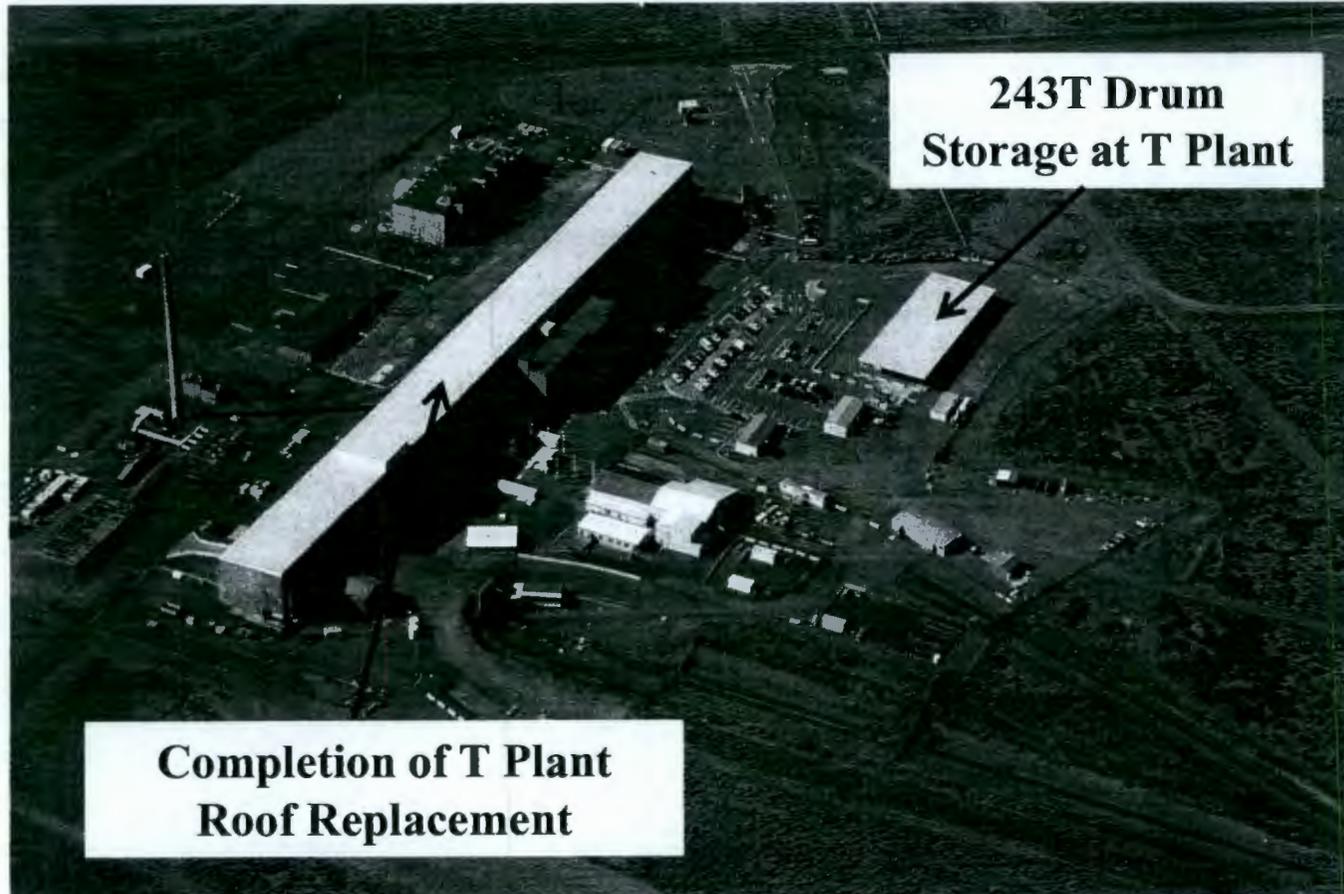
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TRU Retrieval added to the Hanford Public Tours



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RL-13

3rd QTR FISCAL YEAR 2008 PERFORMANCE MEASUREMENT - (October - June)

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)	6,149.1	5,910.3	5,994.9	(238.8)	(84.6)
Waste Receiving and Processing Facility (WRAP)	8,587.2	8,772.4	10,557.5	185.2	(1,785.1)
Solid Waste Treatment Facility	10,863.5	12,614.6	12,149.7	1,751.1	464.9
MLLW Treatment	12,146.1	12,235.3	8,207.9	89.2	4,027.4
TRU Retrieval	30,639.9	28,459.8	28,920.2	(2,180.1)	(460.4)
WIPP Certification	22,152.1	21,216.1	22,120.1	(936.0)	(904.0)
WSD Project Management	16,350.3	16,350.3	13,421.5	0.0	2,928.8
RL-13 Grand Total	154,390.6	153,674.1	148,185.2	(716.5)	5,488.9



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RL-13 Variance Description (data is for only M-91 portions of PBS 13):

- **FYTD Schedule Variance:** Negative schedule variance of \$716K is primarily due to the retrieval project \$2,180K negative variance, which is mostly offset by the T-Plant positive variance. The retrieval variance is related to issues such as work delays while resolving criticality safety program issues earlier in the year, weather delays, and some scope shifts.
- **FYTD Cost Variance:** The positive cost variance of \$5,489K is primarily due to lower treatment costs than planned due to the mix of waste actually treated thus far this year. The negative cost variance of WRAP offsets a portion of positive variance from other areas.



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Actions Planned for Next Six Months (1 of 2)

- Continue certification and shipment of transuranic waste to WIPP (two shipments per week) and treatment of MLLW.
- Complete first 300 cubic meter increment of M-91-43 large container and RH MLLW treatment.
 - Target completion 9/30/08
 - If target met, it would be 9 months ahead of TPA schedule for first increment.
- Complete processing M-91-42 change packages to address the FY08 appropriation shortfall (MLLW and TRUM).



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TPA Quarterly Milestone Review
M-91 Series

Actions Planned for Next Six Months (2 of 2)

- Complete M-91-03 PMP Rev. 4 review and approval process.
- Continue recovery of retrieval schedule to be on track as of 9/30/08 (i.e. at or above 9200 cubic meters) to meet the 12/31/08 9,700 cubic meter milestone requirement.



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M-91 Status Summary 7/11/08

Milestone	Due Date(s)	Status Summary	Comments
<p>General Comments</p>			<p>A. Status of M-91 Change Packages:</p> <ol style="list-style-type: none"> 1. M-91-08-01: FY08 M-91-42 MLLW CP: Volume (7220 cubic meters) agreed upon. Ecology and RL staff revised to address AG concerns. Draft (pre-revision) included in June PMP submittal (Rev 4). This change package has been eliminated with the content consolidated into M-91-08-02 to avoid conflicting language in concurrent change packages. 2. M-91-08-02: FY08 M-91-42 TRUM CP: Volume (600 cubic meters) agreed upon. Ecology and RL staff revised to address AG concerns. Draft (pre-revision) included in June PMP submittal (Rev 4). Now includes M-91-42 M-91-08-01 MLLW language also. Transmittal of the signed change package is now in RL concurrence. 3. M-91-08-03: M-91-45 consolidation into PMP CP: Change package was approved by Ecology 6/25/08 (approval letter dated June 27). <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>M-91-01: Facility/Capability Interim Milestone (RH and/or large container TRUM)</p>	<p>6/30/12</p>	<p>At Risk</p> <p>The current understanding is that this milestone will be considered met by achieving 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"> • The CD-0 approval from DOE HQ has been obtained. • Additional discussion of proposed alternatives and methods to meet needed capabilities is included in the June 2008 PMP update. • A draft M-91 Project Alternatives Evaluation Study was completed in April to document the current state of alternatives analysis. Additional design work has been put on hold based on the lack of funding in the presidents budget for FY09, pending the FY09 appropriation.
<p>M-91-03: Submit TRUM/MLLW PMP</p>	<p>12/31/03 (Complete), 12/28/06 (Complete) 6/30/08 and annually thereafter</p>	<p>On Schedule</p>	<p>The 2008 PMP (Rev 4) was delivered to Ecology June 30, 2008.</p>

<p>M-91-15: RH MLLW and/or Large Size MLLW Treatment</p>	<p>6/30/08</p>	<p>Complete</p>	<p>“COMPLETE ACQUISITION OF FACILITIES AND/OR CAPABILITIES AND INITIATE TREATMENT OF RH-MLLW AND CH MLLW IN LARGE CONTAINERS PER THE RATES STIPULATED IN M-91-43”</p> <ul style="list-style-type: none"> • Treatment of both RH and large container MLLW has been adequately demonstrated at ES-Clive and Permafix to meet this milestone. • An M-91-15 completion letter is in RL concurrence (08-AMCP-0232).
<p>M-91-40: Retrieval and designation of CH-RSW (regardless of size)</p>	<p>9,700 m³ cumulative by 12/31/08 and annual retrieval volumes through 2010. Complete retrieval in 4C T-4 by 12/31/06. Plus various other requirements</p>	<p>At Risk</p> <p>Met 7200 level in November 2007;</p> <p>Currently behind schedule in FY08, but a recovery plan is in place with a plan to recover to meet or exceed 9,200 m³ by 9/30/08. FY09 appropriation may affect the ability to meet 12/31/08 and subsequent retrieval milestones.</p>	<ul style="list-style-type: none"> • Met the 12/31/07 milestone to retrieve 7200 m³ on 11/27/07 (08-AMCP-0072). • 8,185 m³ of RSW had been retrieved as of 7/10/08. • Expect to have schedule recovered by around August. • The October-December SAP quarterly report sent to Ecology March 21, 2008 includes the initial “step II” sampling results. • No longer planning to start retrieval in E-12B this year: Stopped readiness activity. • Shipped repaired 4C T7 FRP Box 24 to CWC April 29, 2008. Shipped FRP box 23 to CWC May 23, 2008.

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)	<p>At Risk For MLLW: FY08 funding appropriation not adequate to meet milestone.</p> <p>Behind TPA schedule for CH TRUM certification</p>	<ul style="list-style-type: none"> • Met the MLLW 12/31/07 milestone (6520 cubic meters) December 20, 2007. • 6,710 m³ of the MLLW subject to this milestone (MLLW-2 through MLLW-10 excluding MLLW-7) had been treated as of 6/30/08 (8150 m³ or all backlog required by 12/31/08). • 6997 cubic meters had been shipped as of 6/30/08. • TPA change package M-91-08-02 has been prepared to address 2008 M-91-42 MLLW and TRUM requirements. • The amount of M-91-42 MLLW in SWOC storage decreased 93 cubic meters in the last quarter to 648 m³ as of 6/30/08. • Shipped 2872 cubic meters of M-91-42 TRU/M and had accumulated a backlog of 233 cubic meters of certified but not shipped TRU/M bringing the total certified TRU/M counting toward M-91-42 to 3,105 cubic meters as of 7/10/08. • The volume of M-91-42 TRUM stored in SWOC increased 43 cubic meters in the last quarter to 2,325 cubic meters as of 6/30/08. • Fourth T plant repackaging crew added in March: now have 2 crews on each of two shifts at T plant for repackaging (3rd crew partially for MLLW/LLW work). • Repackaged 507 drums at T-Plant in the April-June quarter. • Repackaged 206 drums at WRAP in the April-June quarter.
M-91-43: Designation and treatment of RH and or Large Size MLLW	See Comment Column	On Schedule	<ul style="list-style-type: none"> • A shipment of 47 cubic meters of large containers was sent to PFNW May 13 bringing the M-91-43 cumulative shipped total to 330 cubic meters. • Treated 263 m³ of MLLW-07 since 12/31/02 as of 6/30/08.

(M-91-42 continued)			<ul style="list-style-type: none"> • M-91-43 waste in storage in SWOC decreased 57 cubic meters in the last quarter to 403m³. • It is currently estimated that confirmation of treatment of the first 300 cubic meter M-91-43 increment will be obtained by 9/30/08, 9 months early. • Completion letter for designation of all above ground permitted storage M-91-43 waste is in concurrence (combined with M-91-15 completion letter)
M-91-44: Designation of Newly Generated and Stored RH and or Large Size Transuranic Waste and Large/RH TRUM certification	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 • M-91-44 TRUM in SWOC storage increased 550 cubic meters in the last quarter to 3939 cubic meters.
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"> • 2007 report was mailed to Ecology 9/24/07 (07-AMCP-0293) and approved by an Ecology letter dated November 20, 2007. • Change Package M-91-08-03 incorporating this reporting requirement into the annual M-91 PMP submittal was approved June 25, 2008. The M-91-45 information will be consolidated into the June 2009 and subsequent PMP submittals.
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	Complete Next revision is anticipated to occur in 2009.	<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 • May want to consider elimination of M-16-93 report by incorporation of information in M-91 PMP. The M-16-93 update could be included in the June 2009 PMP submittal instead of a separate 12/31/09 M-16-93 submittal.

Fn: M-91 PMM Status table 7-11-08



M-20 Milestone Review Permits and Closure Plans

Presented by:

Tony McKarns
U.S. Department of Energy

July 17, 2008

Closure Plan Milestone Status

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

M-20-00B	12/31/08
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Complete when M-20-54 is completed 12/31/08

M-20-54	12/31/08
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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 8C, until a new Permit is in effect.



3

Accomplishments – last 3 months

- Ecology approved Class 1 modifications for quarter ending 3/30/08
- DOE submitted to Ecology the Quarterly Class 1 modifications for quarter ending 6/30/08
- DOE submitted Part A Forms for :
 - 207-A South Retention Basin
 - Nonradioactive Dangerous Waste landfill
 - PUREX Plant
 - B Plant Complex
 - 241-CX Tanks System
 - Hexone Treatment & Storage Facility



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Planned Actions – next 6 months

- Ecology continue to resolve Liquid Effluent Retention Facility (LERF) & 200 Area Effluent Treatment Facility (ETF) noncompliance
- Ecology continue to provide Pre-Draft Unit-Specific Permit Conditions for Permit renewal for Permittee review & comment.
- Ecology review/approve Class 1 modifications for quarter ending 6/30/08
- Ecology review/approve Part A Forms for 207-A South Retention Basin, Nonradioactive Dangerous Waste Landfill, PUREX Plant, B Plant Complex, 241-CX Tanks System, and Hexone Treatment & Storage Facility
- Ecology and DOE need to agree on a 100-N integrated groundwater plan, so Ecology can accept the completion of the Closure Plans for 1324-N Surface Impoundment, 1324-NA Percolation Pond, and 1325-N Liquid Waste Disposal Facility; and proceed with preparing Draft Permit conditions to move these units from Part V, Closure to Part VI, Post-Closure of the Permit.



Planned Actions – next 6 months

- DOE submit the quarterly Class 1 modifications for quarter ending 9/30/08
- Submit a Class 1 modification to change CH2M HILL to Washington River Protection Solutions, LLC, as the Co-Permittee for the Permit for Dangerous and or Mixed Waste Research, Development, and Demonstration.
- DOE submit 6 certified Part A Forms transferring Co-Operator from CH2M HILL Hanford Group, Inc., to Washington River Protection Solutions, LLC, for the Hanford Tank Farms Operations Contract:
 1. 242-A Evaporator
 2. Grout Treatment Facility
 3. 222-S Dangerous & Mixed Waste TSD Unit
 4. Double-Shell Tank System
 5. Single-Shell Tank System
 6. IHLW Interim Storage Unit (CSB)



Planned Actions – next 6 months

DOE submit 25 certified Part A Forms transferring Co-Operator from FH to CH2MHILL Plateau Remediation Company for the Plateau Remediation Contract:

- | | |
|--|---|
| 1. 183-H Solar Evaporation Basins | 16. B Plant Complex |
| 2. 1706-KE Waste Treatment System | 16. CWC |
| 3. 207-A South Retention Basin | 17. Hexone Storage and Treatment Facility |
| 4. 216-S-10 Pond and Ditch | 18. LERF & 200 Area ETF |
| 5. 216-A-29 Ditch | 19. LLBG |
| 6. 216-B-3 Main Pond | 20. NRDWL |
| 7. 216-B-63 Trench | 21. PUREX Plant |
| 8. 216-A-10 Crib | 22. PUREX Storage Tunnels |
| 9. 216-A-36B Crib | 23. WESF |
| 10. 216-A-37-1 Crib | 24. T Plant Complex |
| 11. 224-T TRUSAF | 25. WRAP Facility |
| 12. 241-CX Tank System | |
| 13. 400 Area Waste Management Unit | |
| 14. 600 Area Purgewater Storage & Treatment Facility | |

DOE submit 1 certified Part A Form transferring Co-Operator from CH2M HILL Hanford to CH2M HILL Plateau Remediation Company for the Plateau Remediation Contract:

1. IDF



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Issue

- Publication Number 08-05-007 (June 2008), *Frequently Asked Questions - Hanford Sitewide Permit* states:
 - the site-wide permit public comment period will start we hope in October 2008.
- DOE is concerned that this date doesn't accommodate the agreement for DOE review/comment, and the agreement to raise issues to management for resolution based on the Draft permit documents the Permittees have received for review.
 - Permit Parts I and II – waiting for Ecology disposition of comments
 - Permit Part V and VI - Ecology retracted all draft Permits
 - Permit Part III – Ecology provided draft Permits only for units currently in Permit revision 8C
 - Permit Part IV – waiting for draft Permits



8

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
Third Quarter FY08
July 17, 2008**

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.	On Schedule
M-015-21A	10/31/10	Submit 200-BP-5 FS and PP.	On Schedule
M-015-25C	12/30/09	Submit 200-PO-1 RI Phase II Report.	On Schedule
M-015-38B	11/30/2010	Submit 200-CW-1 Revised FS and PP.	On Schedule
M-015-40D	07/31/08	Submit 200-CW-5 Revised FS and PP.	On Schedule
M-015-40E	12/31/10	Submit 200-SC-1 FS and PP.	On Schedule
M-015-42D	12/31/11	Submit 200-TW-1 and 200-PW-5 Revised FS and PP.	On Schedule
M-015-42E	12/31/11	Submit 200-TW-2 Revised FS and Revised Recommended Remedies.	On Schedule
M-015-43D	12/31/10	Submit 200-PW-2 and 200-PW-4 FS and Revised Recommended Remedies.	On Schedule
M-015-44B	9/30/09	Submit 200-MW-1 FS and PP.	On Schedule
M-015-45A	10/31/06	Submit 200-PW-1, 200-PW-3, and 200-PW-6 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.	On Schedule
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 EE/CA.	On Schedule
M-015-49B	12/31/08	Submit 200-MG-2 EE/CA.	On Schedule
M-015-50	12/31/07	Submit Treatability Test Plan for Deep Vadose Zone Tc-99 and Uranium.	COMPLETE
M-015-51	4/30/10	Submit 200-BC-1 Revised FS and PP for BC Cribs and Trenches.	DOE on schedule. EPA FY09 funding at risk.
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	12/31/09	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-024-57K	6/30/07	Initiation of annual discussions to reaffirm selected wells.	COMPLETE
M-024-57L	12/31/07	Conclude discussions and revise M-024-57.	COMPLETE
M-024-57M	12/31/07	DOE Shall Install a Cumulative of 75 Wells by 12/31/07.	COMPLETE
M-024-58	6/1/08	Initiate discussions to reaffirm selected wells (annual commitment).	COMPLETE
M-024-59	12/31/08	DOE Shall Install a Cumulative of 30 Wells by 12/31/08.	On Schedule
M-024-60	12/31/09	DOE Shall Install a Cumulative of 60 Wells by 12/31/09.	On Schedule
M-024-61	12/31/10	DOE Shall Install a Cumulative of 90 Wells by 12/31/10.	On Schedule

Significant Accomplishments

RI/FS Work Plans

200-PO-1 OU

- RI Phase I field activities were initiated to include the collection of high resolution reflection seismic data that began on 3/21/08. Seismic Phase I field data acquisition covered 15 line miles in the 200 East Area and was completed on 4/9/08.
- RI Phase I Airborne EM field data acquisition over approximately 140 square miles in the 600 Area began on 6/16/08 and was completed 6/20/08. Approximately 575 flight miles of data were collected to assist in subsurface geologic characterization.
- Ecology approved the 200-PO-1 Waste Control Plan DOE/RL-2004-18 Rev. 1 on 6/11/08.
- A TPA document change notice (TPA-CN-205) to update routine monitoring well lists in the 200-PO-1 OU Sampling and Analysis Plan (DOE/RL-2003-04 Rev.1) was approved by Ecology on 6/18/08.

200-BP-5

- The following wells were accepted for the Monitoring Network in early June; 299-E33-341, 299-E33-342, 299-E33-343, 299-E33-344 and 299-E33-345.
- Completed slug results test at 699-52-55.

200-IS-1

- Ecology approved the 200-IS-1 work plan.

200-SW-2

- Completed collaborative meetings and plans for dispositioning all (265) comments received from Ecology on the RI/FS Work Plan, DOE/RL-2004-60, Draft B.

Significant Accomplishments

200-BC-1

- Resumed drilling/sampling of third borehole for Electrical Resistivity Characterization (ERC) correlation to final depth (groundwater).
- Completed approximately 70% of ERC borehole sample analyses.
- Commenced excavation of the near-surface contamination from the 216-B-26 Trench (Phase 2 of treatability test). Completed excavation in the section of trench with lower contamination level (approximately 40% of planned total excavation length).

200-SC-1

- Completed drilling, sampling, and decommissioning at the 216-B-55, 216-A-30, and 216-S-6 cribs.
- Decided not to drill and sample at the 216-T-36 crib since the available evidence indicates that the crib is not a significant source of groundwater contamination.

200-LW-1/2

- The SAP for supplemental characterization of LW-1/2 waste sites was completed 5/29/08.

200-CW-1

- Supplemental investigation status
 - U Pond borehole completed.
 - U Pond large diameter DPTs completed.
 - 33 of 37 15-20 ft slim line DPTs installed and logged.
 - 2 of 7 100 ft slim line DPTs completed.

Significant Accomplishments

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

200-ZP-1

- Received Draft Rev. 0 comments from EPA on ZP-1 Proposed Plan. Currently incorporating comments and revising the document.
- Completed literature survey for alternatives for treating I-129, uranium, and nitrate.
- Began upgrading the ZP-1 treatment system to accommodate 500 gpm.

200-UP-1

- Provided comments to Ecology on the draft Explanation of Significant Difference (ESD).

200-PW-1

- Held the Tri-Party Agency Workshop on Cleanup Alternatives for Waste Sites Near the Plutonium Finishing Plant (200-PW-1, Operable Unit) on 4/15/08.
- RL provided a briefing for the Oregon Hanford Cleanup Board on 200-PW-1/3/6 on 5/29/08.
- A meeting was held 6/18/08 between RL and EPA to discuss major issues and timing for the Draft B of the FS and PP. A plan and schedule for preparing the Draft B version of the FS and PP is in preparation and will be provided to EPA.

200-UW-1

- Completed the DQO for the 216-U-8 supplemental deep vadose zone sampling.

Significant Accomplishments

Other Items of Interest

- Held three 3-day technology workshops on remediation of chromium in groundwater; riverbank storage effects; and technology screening for 100-D Area Remedial Process Optimization.
- Initiated preparation of the 100 Area RI/FS Work Plan with D/H Area as the first OU to be addressed
- **200-UR-1 (BC Control Area)** - The Action Memorandum was signed off 5/30/08 and the RAWP was approved 7/02/08. BC Control Area excavation is slated to begin the week of 7/21/08.
- **100-NR-2-** Drilling of the six Ringold apatite injection wells began 3/14/08.

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

Workscope	FYTD BCWS	FYTD BCWP	FYTD ACWP	FYTD SV	FYTD CV	BAC
4.1.7.1 - Groundwater/Vadose Zone Integration	9,501	8,572	7,877	(929)	695	13,412
4.1.7.3 - Well Management	9,998	11,112	10,714	1,114	398	12,529
4.1.7.4 - Project Management	4,727	4,727	4,728	0	(1)	6,490
4.1.7.5 - Integrated Field Work	6,054	5,743	7,443	(312)	(1,701)	7,988
4.1.7.6 - Groundwater Monitoring and Performance Assessments	9,357	9,245	10,506	(113)	(1,261)	12,917
4.1.7.10 - 100 BC-5 Operable Unit	732	266	211	(466)	54	772
4.1.7.11 - 100 KR-4 Operable Unit	5,701	5,665	5,847	(36)	(182)	9,245
4.1.7.12 - 100 NR-2 Operable Unit	2,260	1,909	1,850	(351)	59	4,378
4.1.7.13 - 100 HR-3 Operable Unit	4,190	4,459	3,772	269	687	5,727
4.1.7.14 - 100 FR-3 Operable Unit	212	120	98	(92)	22	253
4.1.7.20 - 200 BP-5 Operable Unit	3,346	2,320	1,923	(1,026)	397	4,528
4.1.7.21 - 200 PO-1 Operable unit	1,372	1,320	963	(52)	356	2,469
4.1.7.22 - 200 UP-1 Operable Unit	745	789	403	45	386	1,108
4.1.7.23 - 200 ZP-1 Operable Unit	4,552	4,280	4,716	(272)	(435)	6,443
4.1.7.24 - 200 PW-1 Operable Unit	897	497	482	(400)	15	2,357
4.1.7.30 - 300 FF-5 Operable Unit	1,263	1,539	1,235	277	304	2,237
TOTAL - PBS RL-0030	64,907	62,561	62,767	(2,346)	(206)	92,852

RL-40 Waste Site Remediation Project

FYTD Cost/Schedule Status

(\$ in thousands)

Workscope	FYTD BCWS	FYTD BCWP	FYTD ACWP	FYTD SV	FYTD CV	BAC
4.1.2.8.1 - Central Plateau Integration and Planning	4,313	4,364	4,060	51	304	5,923
4.1.2.8.2 - Ecological Risk Assessments	112	125	261	13	(137)	187
4.1.2.8.4 - 200-BC-1 BC Cribs, Trenches, and Control Area Remediation	5,565	4,940	4,552	(626)	388	7,749
4.1.2.8.5 - 200-CW-1 Gable Mountain/B Pond CWG	(748)	1,451	794	2,199	658	1,151
4.1.2.8.6 - 200-CS-1 Chemical Sewer Group	100	108	114	8	(6)	170
4.1.2.8.7 - 200-CW-5 Ponds/Z Ditches CWG	219	356	265	137	90	248
4.1.2.8.8 - 200-TW-1/PW-5 Scavenged Waste Group	493	416	286	(77)	131	1,023
4.1.2.8.9 - 200-PW-2/4 Uranium Rich Process	1,022	976	428	(47)	548	2,878
4.1.2.8.10 - 200-PW-1/3/6 Plutonium Rich Process	430	468	513	37	(46)	797
4.1.2.8.11 - 200-LW-1/2 200A Chemical Lab Waste Group	725	229	174	(496)	56	989
4.1.2.8.12 - 200-MW-1 Miscellaneous Waste Group	1,058	1,347	1,311	289	36	1,348
4.1.2.8.13 - 200-UR-1 Unplanned Releases Waste Group	472	430	426	(42)	4	788
4.1.2.8.14 - 200-SW-1/2 Non-radiological and Radiological Landfills	1,356	717	775	(640)	(58)	2,638
4.1.2.8.15 - 200-IS-1 Tanks, Boxes, Pits, and Lines Group	2,176	1,378	525	(798)	853	5,620
4.1.2.8.16 - 200-BP-1 Hanford Prototype Barrier	70	69	59	(0)	10	118
4.1.2.8.17 - Burial Ground Sampling and Analysis	89	202	562	114	(360)	100
4.1.2.8.21 - 200-TW-2 Scavenged Waste Group	304	321	201	17	120	738
4.1.2.8.22 - 200-MG-1/2 Model Group 1 Sites (Ecology & EPA)	993	1,121	851	128	270	1,287
4.1.2.8.24 - 200-SC-1 Steam Condensate	4,077	3,527	2,215	(550)	1,312	5,211
TOTAL - PBS RL-0040 WS	22,825	22,545	18,371	(280)	4,174	38,960

RL-40 Deactivation & Decommissioning Project

FYTD Cost/Schedule Status

(\$ in thousands)

Workscope	FYTD BCWS	FYTD BCWP	FYTD ACWP	FYTD SV	FYTD CV	BAC
4.1.2.1.1 - U Plant	177	221	179	44	42	294
4.1.2.1.3 - Balance of Canyons and Other Facilities	0	0	4	0	(4)	0
4.1.2.4 - Central Plateau Facilities Cleanup	670	687	638	17	49	2,631
4.1.2.5 - 200 Area Waste Site Cleanup	0	0	0	0	0	0
4.1.2.6 - Central Plateau Surveillance and Maintenance	7,148	6,939	6,727	(208)	212	10,060
4.1.2.7 - Central Plateau Remediation Project Management	4,091	4,091	3,305	0	786	5,616
4.1.2.8.3 - 200-UW-1 U Plant Zone Waste Site Remediation	1,017	1,805	1,848	788	(43)	2,060
4.1.2.9 - Waste Site Remediation	1,373	1,470	1,036	96	433	5,060
TOTAL - PBS RL-0040 D&D	14,476	15,212	13,736	736	1,475	25,720

RL-30 Cost and Schedule Performance Variances and Explanations

Subproject	FYTD Variance	Causal Factors
<i>Significant Schedule Variances</i>		
4.1.7.1 - Groundwater/Vadose Zone Integration	(929)	Delayed placement of contracts for modeling and integration scope.
4.1.7.3 - Well Management	1,114	Schedule recovery from FY 2007 carryover scope.
4.1.7.5 - Integrated Field Work	(312)	Delays associated with the Technical Services Yard cleanup.
4.1.7.10 - 100-BC-5 Operable Unit	(466)	Delays in the DQO decision documentation.
4.1.7.12 - 100-NR-2 Operable Unit	(351)	Interim Proposed Plan delayed as a result of TPA change not yet incorporated into the baseline.
4.1.7.20 - 200-BP-5 Operable Unit	(1,026)	Delayed receipt of analytical results; delayed start in C Farm well.
4.1.7.23 - 200-ZP-1 Operable Unit	(272)	Slow start in pre-conceptual design for final remedy.
4.1.7.24 - 200-PW-1 Operable Unit	(400)	Delays in SVE replacement design and procurement.
4.1.7.30 - 300-FF-5 Operable Unit	227	Significant progress on prior year scope for Conceptual Site Model and VOC field activities.
<i>Significant Cost Variances</i>		
4.1.7.1 - Groundwater/Vadose Zone Integration	695	Delayed start of work is resulting in artificially low expenditures.
4.1.7.3 - Well Management	398	Efficiencies of scale in 100-KR-4 well drilling and lower subcontract costs for 200-BP-5 drilling.
4.1.7.5 - Integrated Field Work	(1,701)	Staffing increases to support Groundwater and Waste Site field work.
4.1.7.6 - Groundwater Monitoring and Performance Assessment	(1,261)	Delayed receipt of laboratory costs for prior year's samples; higher materials, equipment, and parts charges; unanticipated installation of filtration process for Modutanks.
4.1.7.13 - 100-HR-3 Operable Unit	687	Realized efficiencies in pump and treat system operation.
4.1.7.21 - 200-BP-5 Operable Unit	397	Lower than planned subcontract costs associated with C Well.
4.1.7.22 - 200-UP-1 Operable Unit	356	Realized efficiencies in Project Management, Interim Action Monitoring, and Sampling Analysis not required.
4.1.7.23 - 200-ZP-1 Operable Unit	(435)	Additional resources required to clean up contaminated soil associated with Treatability Test spill.
4.1.7.30 - 300-FF-5 Operable Unit	304	Efficient progress on the FS Report.

RL-40 Waste Sites Cost and Schedule Performance Variances and Explanations

Subproject	FYTD Variance	Causal Factors
<i>Significant Schedule Variances</i>		
4.1.2.8.4 - 200-BC-1 Cribs, Trenches, and Control Area Remediation	(626)	Treatability Test Phase II excavation delayed due to late approval of the Cultural and Ecological Review; Electrical Resistivity Correlation behind due to delay in obtaining final well designs.
4.1.2.8.5 - 200-CW-1 Gable Mountain/B Pond CWG	2,199	Change request implemented reflecting delayed start of field work due to delayed SAP approval.
4.1.2.8.11 - 200-LW-1 200A Chem Lab Waste Group	(496)	Delayed start of high-risk borehole B-6.
4.1.2.8.12 - 200-MW-1 Miscellaneous Waste Group	289	Significant progress on the HRR Correlation and Mini RI Report.
4.1.2.8.14 - 200-SW-2 Rad & 200 SW-1 Non Rad Landfills	(640)	Characterization scope impacted by delays in receipt and resolution of comments on RI/FS Work Plan and SAP.
4.1.2.8.15 - 200-IS-1 Tanks/Boxes/Pits/Lines Group	(798)	Delayed start of field screening and pipeline direct pushes; CX-72 tank investigation.
4.1.2.8.24 - 200-SC-1 Steam Condensate	(550)	High risk boreholes A-30 and S-6 analytical scope currently behind schedule.
<i>Significant Cost Variances</i>		
4.1.2.8.1 - Central Plateau Integration and Planning	304	Performance taken for completion of engineering studies planned in FY 2007 with resulting large point adjustment.
4.1.2.8.4 - 200-BC-1 Cribs, Trenches, and Control Area Remediation	388	Lower than planned costs experienced to date for Electrical Resistivity Correlation.
4.1.2.8.5 - 200-CW-1 Gable Mountain/B Pond CWG	658	Realized efficiencies associated with U-10 borehole.
4.1.2.8.9 - 200PW-2/4 Uranium Rich Process	548	Realized efficiencies in A-5 borehole drilling and drive point filed work.
4.1.2.8.15 - 200-IS-1 Tanks/Boxes/Pits/Lines Group	853	Lower than anticipated labor charges, labor corrections expected.
4.1.2.8.17 - Burial Ground Sampling & Analysis	(360)	Change in performance philosophy (subcontract vs. self-perform) resulted in cost overruns due to need to perform significant training of subcontractor.
4.1.2.8.24 - 200-SC-1 Operable Unit	1,312	Lower than anticipated material and labor charges, labor corrections expected.

RL-40 Deactivation and Decommissioning Cost and Schedule Performance Variances and Explanations

Subproject	FYTD Variance	Causal Factors
<i>Significant Schedule Variances</i>		
4.1.2.6 - Central Plateau Surveillance and Maintenance	(208)	Due to delays in procurement of 231-Z Type A shipping containers while an alternate approach is being evaluated and early completion of 212-N work scope (budgeted in FY 2008 and completed in FY 2007).
4.1.2.8.3 - 200-UW-1 U Plant Zone Waste Site Remediation	788	Primarily due to completion of prior year work scope (241-U-361 Sampling Analysis). Also due to implementation of BCR RL40-CP08-001 (point adjustments) for the deletion of the treatability test plan work scope which was no longer required and addition of deep vadose characterization work scope.
4.1.2.9 - Waste Site Remediation	96	Due to expediting the construction of the haul road and site preparation activities in support of B-26 excavation.
<i>Significant Cost Variances</i>		
4.1.2.6 - Central Plateau Surveillance and Maintenance	212	Due to vacant positions and efficiencies.
4.1.2.7 - Central Plateau Remediation Project Management	786	Due to vacant positions, efficiencies, and a favorable variance distribution.
4.1.2.9 - Waste Site Remediation	433	Due to lagging gravel costs, efficiencies realized from working in conjunction with BC Cribs excavation work and out sourcing of crafts.

Planned Activities

Next 6 Months

221-U Facility/Canyon Disposition Initiative

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

Other Facility D&D

- Establish TPA agreement-in-principle on Central Plateau facility disposition, including 221-U Facility, and begin negotiations.
- Revise U Plant Ancillary Facilities Removal Action Work Plan to establish restart of demolition activities in November 2010.

200-CW-3

- Issue SAP and RAWP for 216-N-1, -4, -6, and waste units added via TPA Change C-07-07.
- Develop EE/CA for demolition of three (3) 200-N buildings (212-N, P, R).

Planned Activities

Next 6 Months

100-HR-3

- Complete Systematic Planning and DQO process, development of the RI/FS Work Plan.
- Complete 100-D/H Horn Area and 100-D Chrome Source investigations.
- Complete the Electrocoagulation Treatability Test Report.
- Perform an injection test of Zero Valent Iron.

100-KR-4

- Drill four new wells near KW reactor.
- Initiate design of a 100 gpm expansion of the KW pump-and-treat facility.
- Drill four replacement injection wells to support the KX system.
- Complete physical construction of the 600 gpm KX system and conduct acceptance testing.

100-NR-2

- Monitor barrier chemistry.
- Complete high concentration injections in July.
- Begin total petroleum engineering study in July.

300-FF-5

- Complete Remediation Strategy for Uranium.

100-FR-3

- Evaluate groundwater conditions near 118-F-6 burial ground.

200-BP-5

- Complete drilling of following wells: 299-E33-205 (C well), 299-E33-340 (G well), 699-52-55B (H well), and 299-E29-54 (K well).
- Complete tracer test at well 299-E33-34.
- Complete pumping test at well 299-E33-345.
- Complete depth discrete sampling at 16 wells.

Planned Activities

Next 6 Months

200-CW-1

- Complete supplementary investigation activities per approved SAP.

200-CW-5

- Submit to EPA FS and PP on 7/31/08.

200-IS-1

- Continue field investigation for 200-IS-1 pipelines.

200-SW-1 and 200-SW-2

- Obtain approval on the 200-SW-1/2 Work Plan Rev. 0.

200-PO-1

- Conduct technical evaluation of RI Phase I geophysical methods tested.
- Conduct field tests of advanced borehole and surface geophysical methods.
- Complete installation of RI Phase I aquifer tubes.

Planned Activities

Next 6 Months

200-UP-1

- Continue sampling activities in support of the RI/FS process.
- Issue Explanation of Significant Difference.

200-BC-1

- Complete analyses of correlations between Electrical Resistivity Characterization data and soil contaminant concentrations and prepare report.
- Complete excavation of first 1/3 of 216-B-26 Trench (Phase 2 of excavation-based treatability test).
- Perform direct-push technology shallow boreholes in B-14 Crib and B-53A Trench to obtain logging/sampling data for characterization (Phases 3 and 4 of excavation-based treatability test).

200-MG-1,-MG-2

- Prepare 200-MG-1 Draft A EE/CA.
- Prepare 200-MG-2 Draft A EE/CA.

200-SC-1

- Review data from characterization conducted at 216-B-55, 216-A-30, and 216-S-6.

Planned Activities

Next 6 Months

200-UW-1

- DOE formally transmit for regulatory review the DOE/RL-2007-34, *Vadose Zone Fate and Transport Modeling at the Hanford Site: Regulatory Criteria Compliance for Risk Assessment Applications*.
- Issue final U-8 supplemental Deep Vadose Zone characterization SAP.
- Complete the U-12, U-1, U-2, and 270-W supplemental Deep Vadose Zone characterization DQO workshops

200-ZP-1

- Issue Rev. 0 Feasibility Study and Proposed Plan.
- Complete installation of 4 new groundwater extraction wells to treatment system.
- Complete 30-day public comment period for Proposed Plan.
- Support EPA's effort to draft the ROD.

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

- Purchase two new 500 cfm soil vapor extraction systems.
- Prepare Draft B FS and PP incorporating EPA comments and HAB advice.

200-TW-1, -PW-5

- Complete S-13 borehole, T-18 and S-21 pushes.

200-TW-2

- Complete T-5, T-6 and T-7 direct pushes.

200-MW-1

- Complete RI Report for the supplemental investigations at the 216-A-2, 216-A-4, 216-A-21 Cribs and the 200-E-102 Trench.
- Develop draft A of the FS.

200-PW-2/4

- Complete supplemental investigations at the 216-A-5 and 216-S-1/2 Cribs.

**U.S. Department of Energy
Richland Operations Office
Assistant Manager for Central Plateau
Fast Flux Test Facility (FFTF) Project
Tri-Party Agreement
M-81 and M-92 Deactivation Milestones**

**July 17, 2008
Central Plateau/FFTF Project
Tri-Party Agreement Milestones Review Meeting**

**DOE-RL FFTF Project – Al Farabee
Washington State Department of Ecology – Jane Hedges
U.S. Environmental Protection Agency – Nicholas Ceto**

FFTF Project Tri-Party Agreement
Remaining M-81 and M-92 Deactivation Milestones
 (Listed Chronologically by Due Date)

Milestone	Milestone Title	Due Date
M-81-00A-T04	Complete Transfer of Special Fuel to DOE's Idaho National Engineering Laboratory for Consolidated Storage (Status: Completed)	March 31, 2009 (Completed April 30, 2008)
M-92-09	Establish Milestones and/or Target Dates if Needed for Acquisition of New Facilities, Modifications of Existing Facilities, and/or Modification of Planned Facilities Necessary for Storage, Treatment/Processing, and Disposal of Hanford Site Sodium (Status: Due date moved to September 30, 2018 via approved Class II Change Request M-92-08-01)	July 30, 2009 (New date is September 30, 2018)
M-81-15	Submit FFTF Surveillance and Maintenance Plan (Status: On Schedule)	June 30, 2010
M-81-00A	Complete FFTF Facility Transition and Initiate the Surveillance and Maintenance Phase (Status: On Schedule)	February 28, 2011
M-81-00A-T05	Complete Auxiliary Plant Systems Shutdown (Status: On Schedule)	February 28, 2011

DOE-RL FFTF Program Manager Assessment of Contractor Performance

- Focus continues on the high priority deactivation activities to support placing FFTF in long term surveillance and maintenance by August 31, 2009.
- Sodium bonded fuel transfer to the Idaho National Laboratory (INL) was completed.
- Systems deactivation continues on plant systems no longer needed.
- Work progresses to obtain equivalencies for fire protection requirements during surveillance and maintenance.
- Project costs and schedule continue to be maintained in control.

Significant Accomplishments (Last 3 Months)

Fuel Offload

- Completed 11 of 11 T-3 Cask sodium-bonded fuel shipments to INL.

IEM Cell Deactivation

- Complete the removal of remaining bulk sodium containers and combustible waste and progressing draining oil from cell equipment.

Auxiliary Systems Deactivation

- Completed the removal and disposition of an additional polychlorinated biphenyl (PCB) transformer.
- Completed the installation of a dry transformer and its high voltage switch and transferred loads from PCB transformers.
- Completed draining the In-Containment Chilled Water System.
- Completed installation of the new fire alarm control panel in the 481 Pumphouse.

Significant Planned Actions (Next 6 Months)

- **Interim Examination and Maintenance (IEM) Cell and Fuel Handling Systems Deactivation**
 - Complete deactivation of the IEM Cell
- **Auxiliary Systems Deactivation**
 - Complete the removal and disposition of 5 additional PCB transformers.
 - Complete draining and deactivation of the fire suppression system.
- **Disposable Solid Waste Cask (DSWC)**
 - Obtain package approval for shipment of DSWCs and transfer loaded casks to the Environmental Restoration and Disposal Facility.
- **FFTF Building Closures**
 - Complete excess of spare parts and vacating warehouses outside the 400 Area protected area and turnover to new owner.

Schedule/Cost Performance

Fiscal Year to Date Status (\$000s) through 05/08

<u>Description</u>	<u>BCWS</u>	<u>BCWP</u>	<u>ACWP</u>	<u>SV</u>	<u>CV</u>	<u> </u>
FFTF	\$12,820	\$14,752	\$14,757	\$1,932	\$5	

Variance Analysis:

- SV – Positive schedule variance
- CV – The cost variance is close to zero

Project Issues/Risks

- Approval of FFTF fire protection equivalencies to achieve low cost surveillance and maintenance mode.
- Approval of DSWC shipping documentation to enable offload of IEM cell waste
- FY 2009 President's Budget is less than Validated Baseline and may be insufficient to complete deactivation activities

Summary

- FFTF deactivation continues to support the August 2009 project milestone to place the facility in a long term low cost surveillance and maintenance mode.
- Project costs and schedule are being maintained.