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Central Plateau/FFTF
Tri-Party Agreement Milestone Review
Meeting Minutes
October 16, 2008

Approval: _____ Date: 12/18/08
J. Hedges (H0-57)
Ecology IAMIT Representative

Approval: _____ Date: 12/18/08
M.S. McCormick (A5-11)
DOE IAMIT Representative, Chairperson

Approval: _____ Date: 12-18-08
For **D. R. Einan** (B1-46)
EPA IAMIT Representative

Minutes Prepared by: _____ Date: 12/19/08
T.W. Noland (H8-12)
Fluor Federal Services.

Arnold, L.D.*	FH
Ballinger, K.S.	RL
Black, D.G.*	CHPRC
Bond, R.*	Ecology
Bohnee, G.	NPT
Buelow, L.C.	EPA
Cameron, C.E.*	EPA
Chapin, D.H.*	RL
Charboneau, B.L.*	RL
Cimon, S.*	ODE
Clark, C.E.*	RL
Collins, M.S.*	RL
Crocker, M.A.*	CHPRC
Einan, D.R.*	EPA
Farabee, O.A.*	RL
Faulk, D.A.*	EPA
Ford, B.H.*	CHPRC
Foss, D. L.*	CHPRC
Franco, J.R.	RL
Gadbois, L.E.*	EPA
Goswami, D.	Ecology
Harris, S.	CTUIR
Hedges, J.*	Ecology
Henry, D.	OOE
Holten, R.A.*	RL
Horst, L.	OOE
Jaraysi, M.N.*	CHPRC
Jim, R.	Yakama
Jones, M.E.*	Ecology
Knox, K.E.*	
Lilligren, S	NPT
Mandis, M.L.*	Ecology
Mattlin, E.M.*	RL
McCormick, M.S.	RL
McKarns, A.C.*	RL
Miskho, A.G.*	CHPRC
Murphy, C. M.*	CHPRC
Niles, K.	OOE
Noland, T.W.*	FH
Ollero, J.F.*	Ecology
Piippo, R.E.*	CHPRC
Price, J.*	Ecology
Quigley, K.M.*	CHPRC
Rasmussen, J.*	YAH
Riggsbee, W.*	Yakama
Romine, L.D.*	RL
Russell, R.W.	ORP
Skinnarland, E.R.*	Ecology
Simiele, C.J.*	CHPRC
Singleton, D.G.	Ecology
Thompson, S.A.*	FH
Tripplett, M.B.*	PNNL
Voogd, M.J.*	RL
Weil, S.R.	DOE
Whalen, C.L.	Ecology
Wollam, C.D.*	FH
Administrative Record	

*Attendee

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Central Plateau/FFTF
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Rich Holten represented Matt McCormick as the RL IAMIT Representative and IAMIT Chairperson for the meeting. Dave Einan of EPA was the EPA IAMIT representative for the meeting.

RL opened the meeting by recognizing the successful contractor transition from Fluor Hanford to the CH2M HILL Plateau Remediation Company (CHPRC) on October 1, 2008. CHPRC stated that a briefing could be presented to Ecology and EPA regarding the CHPRC FY-2009 work plan, similar to the one recently given to RL.

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 this milestone has been deleted and an explanation for the action memo will be provided at the project managers meeting. RL confirmed that the PW-1, 3 and 6 Feasibility Study (FS) will include the 216-Z-9 crib complex. EPA reiterated its intent that the pipelines attached to the various PW-1, 3 and 6 disposal sites associated with PFP also be addressed in the PW-1, 3 and 6 FS.

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

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

RL noted the concern about meeting the treatment milestone date of 12/31/08 for mixed low-level waste. The last shipment of 394 cubic meters for treatment offsite meets the amount required, but the concern is whether the waste will be sent back by the due date. A change request was submitted to Ecology, which has been disapproved. Ecology acknowledged that due to FY09 funding constraints, RL/CH-PRC will be submitting change requests for FY09 milestones. Ecology stated that Ecology and EPA are interested in managing this issue without going through a protracted TPA dispute process for each change request.

Actions Planned for the Next Six Months

A large portion of the continued certification and shipment of M-91-42 TRUM offsite will be

geared around shipment of the TRU 85-gallon drum overpacks to INL in Idaho. The shipments will occur from mid-November 2008 to mid-January 2009 during the Waste Isolation Pilot Plant (WIPP) maintenance outage. Ecology inquired about the increased cost of the shipments to INL. RL responded that the incremental cost is very minor. Most of the preparations for shipment to INL are required for WIPP certification. The waste will be supercompacted at INL, which will reduce the storage capacity required at WIPP and the amount of shipments to WIPP. Ecology inquired about the difference in compaction ability at INL and Hanford. RL explained that INL went through an extensive, multi-year approval process with EPA which was very specific to INL.

ODOE noted that information from the radioactive waste summit in Nevada last month is that WIPP is backfilling and leaving void spaces for remote-handled (RH) waste, and the ability to store RH is diminishing as backfilling occurs. RL added that the volume for RH is relatively small compared to contact-handle waste. RL is also working with WIPP to align baseline shipment plans.

RL stated that a draft alternatives analysis for large-package and RH capability was completed a year ago and is on hold; however, it is anticipated that those alternatives will be revisited.

M-20 Milestone Review - Permits and Closure Plans

Milestone M-20-54, Submit 241-CX Tank System Closure/Post-Closure Plan for 241-CX-70 Storage Tank, 241-CX-71 Neutralization Tank, 241-CX-72 Storage Tank to Ecology in coordination with the 200-IS-1 Tanks/Lines/Pits/Boxes Operable Unit Work Plan Feasibility Study scheduled under M-13-00M

RL and the contractors are on schedule to meet the 12/31/08 deadline for this milestone. RL noted that the 200-IS-1 FS is now scheduled for 12/31/11.

Issue

RL noted that on the handout, the concern regarding Ecology's date to issue the draft RCRA Permit, Revision 9 for public comment should state January 2009, not 2008. Ecology responded to RL's concern, noting that Ecology is sharing drafts with RL as they are being developed, and now that the contractor transition is completed, meetings will be held to begin tracking the status. Ecology is also anticipating that the 400 Area Waste Management Unit permit document, which has been completed, will provide a model that will help reduce the level of review and comment for the remaining unit-specific permit documents. Ecology expressed they had picked optimistic dates for getting permit out for public comment, but would be meeting with DOE to determine what still needed to be done within Ecology and DOE prior to going to public comment.

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

RL stated that a letter is in concurrence to Ecology and EPA notifying them that the FY09 Congressional appropriation does not support the planned work scope. The M-15-00 milestones

and some commitments that aren't bound by milestones that are impacted by the Congressional appropriations are identified in the letter. RL emphasized that all the FY09 TPA milestones are being pursued and reflected as on schedule. RL added that it has asked the new contractor, CH-PRC, to develop a plan on a subproject-by-subproject basis to assess current work, samples at the lab, and samples ready to ship to the lab in an effort minimize loss of investment to date. The objective is to preserve information knowledge that's been gained so that when funding becomes available it is easy to pick back up where the work was left.

Ecology noted its concern regarding Milestones M-015-17A and M-015-21A (submit 200-UP-1 RI/FS and 100-BP-5 FS and PP) as being at risk. Ecology is expecting to rely on those two RI/FSs to fulfill its requirements for corrective action in the RCRA Permit for some of the TSDs. If the milestones are not met, Ecology would have to put the RI/FS in a compliance schedule in the RCRA Permit in order to have a complete permit. RL responded that the letter will suggest working with staffs on a path forward to address the impacts of the Congressional appropriations. Ecology stated that following CH-PRC's briefing on the new contract would be a good time to begin discussions.

RL pointed out that progress is being made in BP-5, with two new wells completed last quarter and three wells that are ready for certification. RL also noted that a Record of Decision (ROD) was completed and issued for ZP-1, and the design specification is planned for use at UP-1.

Ecology noted that a press report indicated that DOE Headquarters made a decision to follow the more conservative President's budget rather than the Congressional budget. RL responded that it has not received any formal direction from Headquarters, and it is working the issue.

M-015-51, Submit 200-BC-1 Revised FS and PP for the BC Cribs and Trenches

EPA stated that enough information has been obtained from the treatability test to identify that the work can be done safely and cost-effectively, and suggested ending the treatability test work. RL responded that the second of four phases of the treatability test has been completed. During the unit manager meeting, an action was taken to schedule a meeting to assess whether there is enough data before agreeing to suspend the work.

Planned Activities - Next Six Months

100-HR-3 - RL stated that if an alternative technology to pump and treat is selected and agreed to for the 100-D Area, it is assumed that the milestone would be amended. Ecology responded that if a different technology is selected, it would advise DOE that a ROD amendment would be required.

200-UW-1 - Ecology proposed that RL/CHPRC dedicate resources to generate a Proposed Plan (PP) or in the alternative, Ecology would draft a PP for RL/CH-PRC review and comment. RL suggested discussing Ecology's proposal as a part of the big picture. EPA expressed concern for gaining control of the U Pond area where there are continuing releases. Ecology added that it is important to implement continuous physical work at the ground surface in the 200 Area. CHPRC acknowledged Ecology and EPA's concerns, and stated that discussions with the Tri-Parties will be initiated within a week or so to begin addressing priorities.

Issues

- RL took an action to address the reporting of 100-HR-3 by the next TPA Quarterly.
- RL also has an action to provide a strategy for formalizing multi-incremental sampling. RL does not want to execute the approved Sampling and Analysis Plan because of the cost ($10M including extensive removal of contaminated soil). CHPRC believes they can demonstrate compliance with Ecology regulations using site data from other sites.
- Ecology requested a commitment of funding for continued monitoring of the burn that was done at the Hanford barrier. RL responded that funding for time-sensitive monitoring is included in the funding profile.

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

RL provided a summary of milestones, assessment of contractor performance, significant accomplishments and planned actions, budget/cost status, and issues.

Tri-Party Agreement

Thursday, October 16, 2008
Ecology Offices, Conference Room 3A/B
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
9:10 a.m.	M-26-01	Land Disposal Restrictions Report
9:15 a.m.	M-91-00	Acquisition of Facilities to TSD TRU/TRUM and LLMW
9:30 a.m.	M-20-00	Permitting/Closure Plans
9:40 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
10:15 a.m.	M-81-00	Fast Flux Test Facility Transition
	M-92-00	Facilities for Sodium and Special Case Waste
10:30 a.m.	Adjourn Milestone Review	

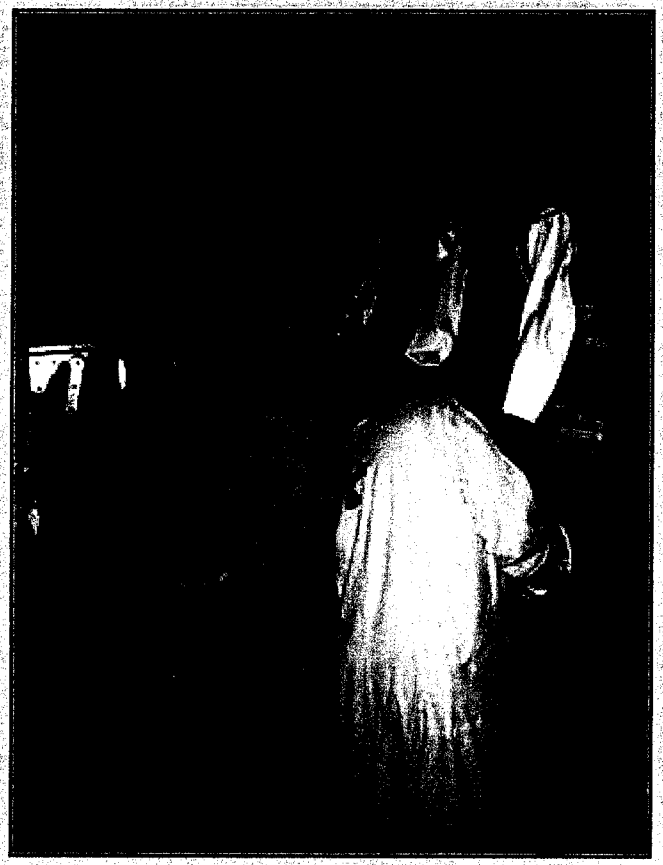
Tri-Party Agreement Major Milestone Management Review
October 16, 2008

Name	Organization	Mail Stop	Phone
Terry Noland	Fluor	H8-12	376-6574
Kathy Knox	Knox Court Reporting		946-5535
KOB [illegible]	CH2RC		373-3285
Rick Holten	DOE		376-3963
JANE HEDGES	Ecy		372-7905
Ron Skinnarland	Ecology		372-7929
Dave Einan	EPA		376-3883
Jim Rasmussen	YA4SGS		376-0304
Jennette Thompson	FH		372-0958
MARGO VOLLED	DOE		376-8375
Doug Chapin	DOE-RL/FFTF		373-9396
AL Farabee	"		376-8087
Cliff Clark	DOE-RL EMD		376-8333
W. Riggs[illegible]	YW		967-5375
[illegible]	[illegible]		[illegible]
[illegible]	Ecology		372-7881
Rick Bond	Ecology		372-7885
Ellen Mattlin	DOE-RL PFP		376-2385

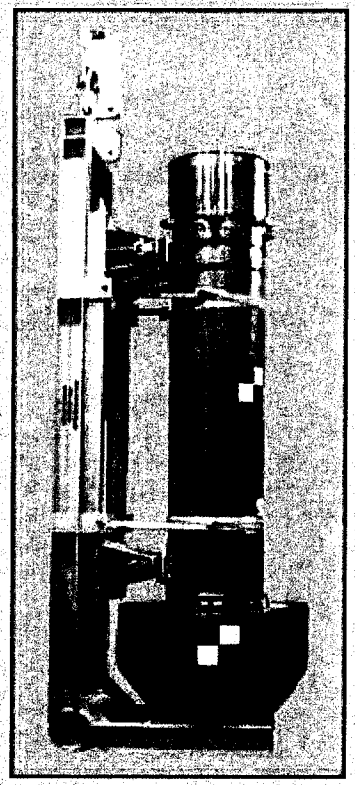
Tri-Party Agreement Major Milestone Management Review
October 16, 2008

Name	Organization	Mail Stop	Phone
Jenniter Ollero	Ecology		372-7988
Larry Gadbois	EPA		
MARK TRIPLETT	PNNL		376-1825
Chris Wollam	FH		373-1587
Craig Cameron	EPA		376-8665
DENNIS Faulk	EPA		
Bruce Ford	CHPRC		373-3809
Moses Jaragsi	CH PRC		372-9242
MARK CROCKER	CH PRC		373-0600
Connie Simiele	CHPRC		373-1579
KEN QUIGLEY	CHPRC		376-7779
Michelle Mandis	Ecology		2-7970
Tony Miskho	CHPRC		376-7313
Larry Cannell	FH		376 9115
Con Murphy	CHPRC		476-3507
Dyan Foss	CHPRC		5544703
Dale Black	CHPRC		376-0740
Larry Romine	DOE		376-4747
SHELLEY CIMON	ODOE		(541) 963-0853
Michael Collins	RL		376 6536
TONY MCKARNS	DOE		376-8981
Briant Charboneau	DOE		373-6137
John Price	ECY		372-7921

PFP Closure Project
TPA Milestone M-083



PRF Process Equipment Removal



HUFP

October 2008
Tri-Party Agreement Milestone Status Report

Ecology Project Manager – R. Bond
DOE-RL Project Director – E. Mattlin
CH Project Manager – M. A. Crocker
CH Environmental – R. Clinton

M-83 Status for Interim Milestones (as of 09/30/08)

TPA No.	TPA Commitment Date	Milestone Title	Status
M-083-22	9/30/08	SUBMIT EE/CA FOR APPROVAL	***Complete***
M-083-41	9/30/10	COMPLETE TRANSITION AND DISMANTLEMENT OF THE 216-Z-9 CRIB COMPLEX	**This milestone has been deleted. An explanation to the PFP Action memorandum will be addressed at the November PMM.**
M-083-32	9/30/11	COMPLETE CLOSURE OF THE PFP 241-Z TSD UNIT	***Complete***
M-083-42	9/30/11	COMPLETE TRANSITION AND DISMANTLEMENT OF THE 241-Z WASTE TREATMENT FACILITY	***Complete***
M-083-43	9/30/13	COMPLETE TRANSITION OF THE 242-Z WASTE TREATMENT FACILITY AND 236-Z PRF	***On Schedule***

Accomplishments

- Continued De-Inventory over 50% complete
- DOE approved the Certificate of Compliance for the Hanford Unirradiated Fuel Package (HUFP) Safety Analysis Report for Packaging (SARP)
- Awarded the contract and began execution for the facility modifications for loading and staging the HUFP
- Issued procurement for fabrication of 13 HUFP shipping containers
- Continued Plutonium Reclamation Facility (PRF) glovebox cleanout
- Successful transition from FH to CH

Planned Activities

- Continue PRF column glovebox cleanout activities
- Remove Glovebox 235-B-2, size reduce HA-23S
- Continue Process Facilities Temporary Lay-up
- Continue PFP de-inventory activities
- Continue development of the tie down system for the HUPF
- Conduct mock-up workshop at SANDIA Labs to support tie-down and loading the HUFP shipping container
- Continue Min-Safe maintenance Activities

Schedule / Cost Performance
Fiscal Year to Date Status (through September)

	Fiscal Year to Date				
	BCWS	BCWP	ACWP	SV$	CV$
RL-0011 - Nuclear Material Stabilization & Disposal (PFP)	78,288.1	77,098.4	71,487.9	(1,189.7)	5,610.5

FYTD Schedule Variance: -$1.2M:

- Unfavorable schedule variance is due to a D&D scope planned in FY 08 that was completed in FY 07. This is partially offset by completion of FY07 work scope associated with the 291-Z Duct Stabilization.

FYTD Cost Variance: $5.6M:

- 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 and severance costs.

Issues

Regulatory Issues:

- None

Non-Regulatory Issues:

- None

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
Quarterly Presentation
October 16, 2008

Tri-Party Agreement

Deborah Singleton, Ecology Lead
Michael Collins, DOE Lead

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
October 16, 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)
October 16, 2008

- DOE submitted CY 2007 LDR report April 30, 2008.
- Ecology approved the CY2007 LDR report on August 26, 2008 after addressing 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 16, 2008

Actions Planned for Next Three Months

- Continue the monthly PMMs, as needed
- Continue working on storage assessments of Potential Mixed Waste

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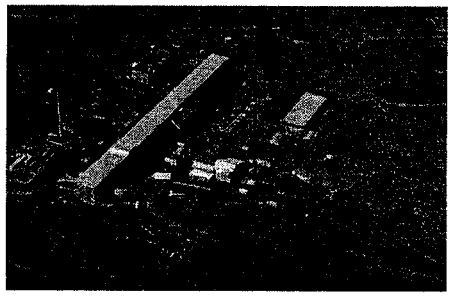
Tri-Party Agreement
Quarterly Milestone Review
M-91 Series



October 16, 2008

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TPA Quarterly Milestone Review
M-91 Series

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

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

- Certified 221 m^3 of M-91-42 TRU/M
  - Total volume certified since 12/31/02 - 3,326 m^3.
  - Repackaged 590 containers at T Plant and WRAP.
  - 09/30/08 milestone for certifying 600 m^3 the FY 2008 met.
- Treated 136 m^3 of M-91-42 MLLW
  - Total volume treated - 6,846 m^3.
  - Shipped 394 m^3 of M-91-42 MLLW offsite for treatment.
  - Total shipped offsite – 7,402 m^3

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TPA Quarterly Milestone Review
M-91 Series

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

- Met the 06/30/09 milestone for treating of 300 m^3 of M-91-43 MLLW.
  - Milestone met nine months early.
  - 330 m^3 treated to date.
- Retrieved 1,635 m^3 of M-91-40 retrievably-stored waste.
  - Total volume retrieved - 9,747 m^3.
  - 12/31/08 milestone for retrieval of 9,700 m^3 met three months early.
- Approved the M-91-08-02 change package
  - Requires certification of 600 m^3 of M-91-42 TRU/M between 10/01/07 and 09/30/08
  - Requires treatment of 7,220 m^3 (cumulative) of M-91-42 MLLW by 12/31/08.

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TRU Waste Retrieval Operations

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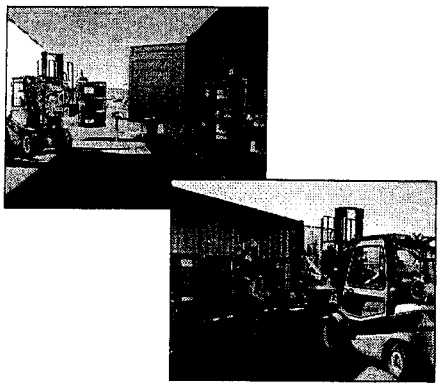
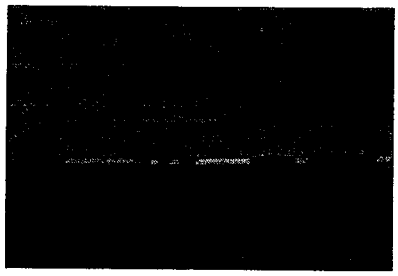


Central Waste Complex Operations



CWC expansion
area for box storage

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TPA Quarterly Milestone Review
M-91 Series

FISCAL YEAR 2008 PERFORMANCE MEASUREMENT
Dollars in Thousands

Title	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance	Cost Variance
Central Waste Complex	8,308.3	8,084.0	7,997.5	(224.3)	86.5
Waste Receiving and Packaging Facility	12,245.3	12,093.0	14,134.6	(152.2)	(2,041.6)
T Plant	16,864.3	19,565.9	19,285.2	2701.6	280.7
MLLW Treatment	19,741.5	16,445.0	12,220.5	(3,296.5)	4,224.5
TRU Retrieval	50,852.9	46,686.2	43,663.3	(4,166.7)	3,022.8
WIPP Certification	32,649.4	30,301.4	31,142.1	(2,348.0)	(840.7)
WSD Project Management	22,299.3	22,299.3	19,736.8	0.0	2,562.4
TOTAL	**162,961.0**	**155,474.8**	**141,180.0**	**(7,486.2)**	**14,294.8**

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TPA Quarterly Milestone Review
M-91 Series

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

- FYTD Schedule Variance: A large part of the negative variance issues at retrieval 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 variance is largely due to MLLW treatment cost being lower than expected and funds still to be expended for MLLW shipped offsite treatment but not yet treated.

TPA Quarterly Milestone Review
M-91 Series

Actions Planned for Next Six Months (1 of 2)

- Continue certification and shipment of M-91-42 TRU/M offsite.
- Continue treatment of M-91-42 MLLW
- Continue treatment of M-91-43 MLLW
- Continue M-91-40 waste retrieval.
- Start annual update of M-26 LDR report.
- Start annual update of M-91-03 PMP.

Quarterly Status Summary

Milestone	Due Date(s)	Status Summary	Comments
General Comments			• Status of M-91 Change Packages: o M-91-08-02 – Change CY M-91-42 MLLW treatment volumes and TRU/M certification volumes. Approved o M-91-08-04 – CY 2008 M-91-42 MLLW Treatment – Change the milestone from 12/31/08 to 03/31/09. Change package is in process. • In this table "On Schedule" means it is anticipated the milestone will be met.
M-91-00: Major Milestone for acquisition of needed facilities/capabilities for mixed and suspect mixed MLLW, and TRUM and suspect TRUM.	TBD	On Schedule	
M-91-01: Facility/Capability Interim Milestone (RH and/or large container TRUM)	06/30/12	At Risk 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	• 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 06/08 PMP update. • A draft M-91 Project Alternatives Evaluation Study was completed in 04/08 to document the current state of alternatives analysis. Additional design work has been put on hold based on the lack of FY 2009 funding.

		with M-91-43 it may be desirable to allow early treatment of some of this waste to count toward the initial annual M-91-44 volume	
M-91-03: Submit TRUM/MLLW PMP	12/31/03 (Complete), 12/28/06 (Complete) 06/30/08 (Complete) and annually thereafter	On Schedule	• Ecology approved with comments the 2008 PMP (Revision 4) on 08/11/08. Some comments will not be applicable however the comments can be addressed through preparation of the June 2009 PMP revision. o Suggest near term meeting to go over questions and tentative plans for addressing comments. o Suggest preparing comment resolution table for discussion as part of preparation of June 2009 update when more current status/plan is known.
M-91-15: RH MLLW and/or Large Size MLLW Treatment	06/30/08	Complete	• 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 was sent to Ecology 07/24/08 (08-AMCP-0232).
M-91-40: Retrieval and designation of CH-RSW (regardless of size).	9,700 m^3 cumulative by 12/31/08 and annual retrieval volumes through 2010 plus various	Complete	• 9,747 m^3 of RSW had been retrieved as of 09/30/08 meeting the 12/31/08 milestone. • The 10/07-12/07 SAP quarterly report sent to Ecology 03/21/08 includes the initial "step II" sampling results. Meeting held with Ecology to discuss results 08/26/08. • 04/08-06/08 transmittal in preparation (no results for this period).

	other requirements.		
M-91-41: Retrieval and Designation of RH RSW (regardless of size)	See comment column	On Schedule (Planning)	• 01/01/11: 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 (M-91-42 Continued)	Annual treatment requirements through 12/31/09 (MLLW), 12/31/11 (TRUM)	At Risk Behind TPA schedule for CH TRUM certification. On schedule for revised MLLW and TRUM 2008 commitments	• 6,846 m^3 of the MLLW (MLLW-2 through MLLW-10 excluding MLLW-7) had been treated as of 09/30/08. (7,220 m^3 required by 12/31/08.) • 7,402 m^3 has been shipped as of 09/30/08. • TPA change package M-91-08-04 in process to change the 12/31/08 MLLW treatment date to 03/31/09. • The amount of M-91-42 MLLW in SWOC storage was 525 m^3 as of 08/31/08. • Shipped 3092 $m^3$of M-91-42 TRU/M and had accumulated a backlog of 339 m^3 of certified but not shipped TRU/M bringing the total certified TRU/M counting toward M-91-42 to 3,421 m^3 as of 09/30/08. • The volume of M-91-42 TRUM stored in SWOC was 2,423 m^3 as of 08/31/08. • Repackaged 590 containers in WRAP and T Plant (07/01/08 – 09/30/08).

M-91-43: Designation and treatment of RH and or Large Size MLLW **(M-91-43 continued)**	See Comment Column	On Schedule	• Treated 330 m^3 of MLLW-07 since 12/31/02 as of 09/30/08. • M-91-43 waste in storage in SWOC was unchanged in August 2008 at 403 m^3. • Completion letter for designation of all above ground permitted storage M-91-43 waste was sent in July (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	• Existing requirements include:
			  o Designate all RH and large size TRUM waste in storage by 12/31/12.
			  o Begin treating RH and/or large container TRUM at a minimum rate of 300 cubic meters per year by 06/30/12
			• M-91-44 TRUM in SWOC storage was 5257 m^3 as of 08/31/08.

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.	09/30/2006	Complete Next revision is anticipated to occur in 2009.	• 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 06/09 2009 PMP submittal instead of a separate 12/31/09 M-16-93 submittal.

Fn: M-91 PMM Status table 8-28-08

M-20 Milestone Review Permits and Closure Plans

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

October 16, 2008

Closure Plan Milestone Status

M-20	12/31/08
Complete once M-20-54 is completed on 12/31/08	
M-20-00B	12/31/08
Complete once M-20-54 is completed on 12/31/08	
M-20-54	12/31/08
Submit 241-CX Tank System Closure/Post-Closure Plan for 241-CX-70 Storage Tank, 241-CX-71 Neutralization Tank, 241-CX-72 Storage Tank to Ecology in coordination with the 200-IS-1 tanks/lines/Pits/Boxes Operable Unit Work Plan Feasibility Study scheduled under M-13-00M.	
Note	
The 200-IS-1 Feasibility Study is scheduled for 12/31/11 no longer aligning with M-20-54.	
Current Milestone Status:	
On schedule for 12/31/08 submittal.	

Hanford Facility RCRA Permit Status

- The Hanford Facility RCRA Permit expired on 9/27/04. The Permittees continue to operate under RCRA Permit Revision 8C, until a new Permit is in effect.
- Permittees are waiting for Ecology's response to comments provided on the Pre-Draft Permit (Revision 9) Conditions for Parts I & II.
- Ecology is providing draft unit-specific Permit conditions to the Permitees as they are completed for review and comment.
- TSD Unit that has completed this process for Revision 9:
  1. 400 Area Waste Management Unit

Accomplishment – last 3 months

- DOE submitted 2008 RCRA Permit Underground Pipe Mapping and Marking Report, 9/30/08.
- DOE completed the Hanford Facility RCRA Permit Inspections.
- DOE submitted Class 1 modification for quarter ending 9/30/08. Submittal formally transmitted 32 Part A Forms transferring the Co-Operator to the new plateau remediation contractor (CH2M Hill Plateau Remediation Company) and the new tank farm contractor (Washington River Protection Solutions).

Accomplishments – last 3 months

- Ecology approved Class 1 modification for quarter ending 6/30/08.
- Ecology reviewed and approved 32 Part A Forms that transferred Co-Operator responsibilities effective 10/1/08.

Planned Actions – next 6 months

- Ecology continue to resolve LERF and 200 Area ETF noncompliance
- Ecology continue to provide Pre-Draft unit-specific Permit conditions for permit renewal (Revision 9) for Permittee review & comment
- Ecology review/approve Class 1 modifications for quarter ending 9/30/08
- Ecology and DOE 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 condition to move these units from Part V, Closure to Part VI, Post-Closure of the Permit.
- Ecology has proposed that DOE physically remove the 1706-KE tank structure and submit a request for administrative closure.

Planned Actions – next 6 months

- DOE submit Class 1 modification for quarter ending 12/30/08
- DOE submit Low-Level Burial Grounds Part B permit application
- DOE submit 224-T Transuranic Waste Storage and Assay Facility (TRUSAF) Closure Certification
- DOE re-submit the closure verification package for the 1301-N Liquid Waste Disposal Facility to Ecology for review and discussion

Issues

- DOE is concerned that Ecology's date of January 2008 to issue the Draft RCRA Permit, Revision 9 for public comment, 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 concern is based on the following document status; where one unit-specific portion out of 38 is completed (400 Area Waste Management Unit):
  - Permit Parts I and II – DOE waiting for Ecology disposition of comments
  - Part III – 15 Operating Units, 9 draft Permit documents provided for DOE review/comment
  - Permit Part IV – 2 Corrective Action, no draft Permit documents provided for DOE review/comment
  - Permit Part V – 19 Closure Units, 1 draft Permit document provided for DOE review/comment
  - Permit Part VI – 2 Post-Closure Units, no draft Permit documents provided for DOE review/comment

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
Fourth Quarter FY08
October 16, 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.	**At risk due to FY09 funding**
M-015-21A	10/31/10	Submit 200-BP-5 FS and PP.	**At risk due to FY09 funding**
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.	**At risk due to FY09 funding**
M-015-40D	07/31/08	Submit 200-CW-5 Revised FS and PP.	**COMPLETE**
M-015-40E	12/31/10	Submit 200-SC-1 FS and PP.	**At risk due to FY09 funding**
M-015-42D	12/31/11	Submit 200-TW-1 and 200-PW-5 Revised FS and PP.	**At risk due to FY09 funding**
M-015-42E	12/31/11	Submit 200-TW-2 Revised FS and Revised Recommended Remedies.	**At risk due to FY09 funding**
M-015-43D	12/31/10	Submit 200-PW-2 and 200-PW-4 FS and Revised Recommended Remedies.	**At risk due to FY09 funding**
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.	**At risk due to FY09 funding**
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.	**At risk due to FY09 funding.**
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.	**COMPLETE**
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

- Completed installation of RI Phase I aquifer tubes.

200-IS-1

- Ecology approved the 200-IS-1 Work Plan on June 5, 2008.
- Work Plan Status
  - 68 direct push holes installed and logged.
  - 62 direct push holes decommissioned.

200-SW-2

- Obtained joint (DOE and Ecology) agreement on plans for dispositioning all (266) comments received from Ecology on the RI/FS Work Plan, DOE/RL-2004-60, Draft B.
- Finalized RI/FS Work Plan and transmitted Rev 0 to Ecology for approval.

100-HR-3

- Delivered Decisional Draft A Work Plan to RL September 3, 2008.

Significant Accomplishments

200-BC-1

- Completed drilling/sampling/analyses of third borehole for Electrical Resistivity Characterization (ERC) correlation to final depth (groundwater).
- Completed Decisional Draft of ERC report and provided it to RL for review/comment.
- Completed excavation of the near-surface contamination from one-third of the 216-B-26 Trench (Phase 2a of treatability test). Initiated data analysis.

200-SC-1

- Completed the 216-B-55, 216-A-30, and 216-S-6 borehole summary reports and data validation packages.

200-LW-1/2

- Completed the work authorizing and work planning documents necessary to begin supplemental characterization field work.
- Completed a direct push and geophysical logging to 216 ft bgs adjacent to the 216-B-6 waste injection well. The work was performed to verify subsurface radiological conditions. The information will be used for worker health and safety planning purposes in support of the 200-LW-2 and 200-BP-5 integrated characterization effort commonly known as the 'K' Well.

Significant Accomplishments (cont.)

200-CW-1

- Supplemental investigation status
  - The 140' borehole at 216-U-10 Pond with 5 soil samples is completed.
  - All 56 direct pushes are completed.
  - All 49 direct push holes have been logged.
  - All 21 soil samples from 7 deep pushes have been collected.
  - Lab analysis of soil samples continues.

200-BP-5

- The following wells were accepted for the Monitoring Network this quarter; 299-E33-205, 699-52-55B.
- Completed drilling wells 299-E33-205, 299-E33-340, and 699-52-55B.

Significant Accomplishments

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

200-ZP-1

- Issued final CERCLA Feasibility Study and Proposed Plan.
- Completed and issued the Record of Decision, signed by the Tri-Party Agencies.
- Completed the upgrade of the ZP-1 groundwater treatment system to accommodate 500 gpm.

200-PW-1

- Two new SVE units have been constructed and are ready for final testing prior to delivery to Hanford.

200-MG-1/2

- Draft A versions of 200-MG-1/2 OU EE/CAs were transmitted to RL by October 1, 2008, approximately three months ahead of schedule.

Significant Accomplishments

Other Items of Interest

200-UR-1 (BC Control Area and Westlake) -

- BC Control Area excavation (12 acres) was completed in August, 2008.
- (West Lake) Conducted Internal Review of Draft SAP.

100-NR-2

- Sixteen high concentration apatite injections were completed in July.

100-KR-4:

- Completed construction of the K Expansion groundwater treatment facility, adding 600 gpm treatment capacity to the area around the mile-long trench.
- Completed installation of four new wells near the 105-KW Reactor Building to gather characterization data regarding Cr+6 hot spot near well 199-K-137.

100-HR-3

- Completed injection of Zero Valent Iron to test proposed ISRM Barrier repair.
- Completed injection of emulsified vegetable oil biostimulation test.
- Completed first part of Remedial Process Optimization for 100-D Area.

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	14,001	14,527	13,384	**526**	**1,143**	14,001
4.1.7.3 - Well Management	12,618	14,887	14,880	**2,269**	**7**	12,618
4.1.7.4 - Project Management	6,490	6,490	7,648	**0**	**(1,158)**	6,490
4.1.7.5 - Integrated Field Work	7,988	8,169	10,263	**181**	**(2,094)**	7,988
4.1.7.6 - Groundwater Monitoring and Performance Assessments	12,721	12,975	14,554	**254**	**(1,579)**	12,721
4.1.7.10 - 100 BC-5 Operable Unit	772	690	376	**(82)**	**314**	772
4.1.7.11 - 100 KR-4 Operable Unit	9,245	9,504	8,858	**259**	**646**	9,245
4.1.7.12 - 100 NR-2 Operable Unit	4,185	3,861	4,152	**(324)**	**(291)**	4,185
4.1.7.13 - 100 HR-3 Operable Unit	5,727	6,133	5,193	**406**	**940**	5,727
4.1.7.14 - 100 FR-3 Operable Unit	256	229	135	**(27)**	**94**	256
4.1.7.20 - 200 BP-5 Operable Unit	4,528	3,885	3,186	**(643)**	**699**	4,528
4.1.7.21 - 200 PO-1 Operable unit	2,469	2,357	2,017	**(112)**	**340**	2,469
4.1.7.22 - 200 UP-1 Operable Unit	1,108	1,142	522	**34**	**620**	1,108
4.1.7.23 - 200 ZP-1 Operable Unit	6,443	6,470	7,934	**27**	**(1,464)**	6,443
4.1.7.24 - 200 PW-1 Operable Unit	2,357	1,905	1,523	**(452)**	**382**	2,357
4.1.7.30 - 300 FF-5 Operable Unit	2,237	2,592	2,115	**355**	**477**	2,237
TOTAL - PBS RL-0030	**93,145**	**95,816**	**96,740**	**2,671**	**(924)**	**93,145**

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	5,923	6,264	6,058	**341**	**206**	5,923
4.1.2.8.2 - Ecological Risk Assessment	187	127	380	**(60)**	**(253)**	187
4.1.2.8.4 - 200-BC-1 Cribs, Trenched and Control Area Remediation	7,713	7,451	7,211	**(262)**	**240**	7,713
4.1.2.8.5 - 200 CW-1 Gable Mountain/ B Pond CWG	1,151	2,358	1,530	**1,207**	**828**	1,151
4.1.2.8.6 - 200-CS-1 Chemical Sewer Group	170	182	284	**12**	**(102)**	170
4.1.2.8.7 - 200-CS-5 Z Ditches OU	248	410	331	**162**	**79**	248
4.1.2.8.8 - 200-TW-1/PW-5 Scavenge Waste Group	2,196	1,048	578	**(1,148)**	**470**	2,196
4.1.2.8.9 - 200-PW-2/4 Uranium-Rich Process	2,878	1,911	1,424	**(967)**	**487**	2,878
4.1.2.8.10 - 200-PW-1/3/6 Pu-Rich Waste Group	699	680	818	**(19)**	**(138)**	699
4.1.2.8.11 - 200-LW-1 200A Chemical Lab Waste Group	1,116	429	281	**(687)**	**148**	1,116
4.1.2.8.12 - 200-MW-1 Misc. Waste Group	1,348	1,641	1,685	**293**	**(44)**	1,348
4.1.2.8.13 - 200-UR-1 Unplanned Releases Waste Group	788	600	679	**(188)**	**(79)**	788
4.1.2.8.14 - 200-SW-2 Rad and 200-SW-1 Non-Rad Land Fills	1,366	1,108	1,224	**(258)**	**(116)**	1,366
4.1.2.8.15 - 200-IS-1 Tanks/Boxes/Pits/Lines Group	5,368	2,828	1,200	**(2,540)**	**1,628**	5,368
4.1.2.8.16 - 200-BP-1 Hanford Prototype Barrier	416	183	129	**(233)**	**54**	416
4.1.2.8.17 - Burial Ground Sampling and Analysis	100	213	580	**113**	**(367)**	100
4.1.2.8.21 - 200-TW-2 Scavenged Waste Group	738	531	399	**(207)**	**132**	738
4.1.2.8.22 - 200-MG-1//2 Model Group Sites (Ecology & EPA)	1,287	1,287	1,018	**0**	**269**	1,287
4.1.2.8.24 - 200-SC-1 Steam Condensate	4,622	4,565	2,563	**(57)**	**2,002**	4,622
TOTAL - PBS RL-0040 WS	**38,314**	**33,816**	**28,372**	**(4,498)**	**5,444**	**38,314**

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	294	337	234	**43**	**103**	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	3,543	3,082	2,986	**(461)**	**96**	3,543
4.1.2.5 - 200 Area Waste Site Cleanup	0	0	0	**0**	**0**	0
4.1.2.6 - Central Plateau Surveillance and Maintenance	10,060	10,027	10,083	**(33)**	**(56)**	10,060
4.1.2.7 - Central Plateau Remediation Project Management	5,616	5,616	4,985	**0**	**632**	5,616
4.1.2.8.3 - 200-UW-1 U Plant Zone Waste Site Remediation	2,060	2,474	2,430	**414**	**44**	2,060
4.1.2.9 - Waste Site Remediation	4,986	4,999	4,558	**13**	**441**	4,986
TOTAL - PBS RL-0040 D&D	**26,558**	**26,535**	**25,279**	**(23)**	**1,256**	**26,558**

RL-30 Cost and Schedule Performance Variances and Explanations

Subproject	FYTD Variance	Causal Factors
Significant Schedule Variances		
4.1.7.3 - Well Management	2,269	Schedule recovery from FY 2007 carryover scope.
Significant Cost Variances		
4.1.7.5 - Integrated Field Work	(2,094)	Unplanned staffing increases in support of Groundwater and Waste Site field work throughout the fiscal year.
4.1.7.13 - 100-HR-3 Operable Unit	940	Unplanned efficiencies in pump and treat system operation.
4.1.7.21 - 200-BP-5 Operable Unit	699	Maintenance activities not incurring costs as planned; well sampling cost under-runs; Work Plan was self performed.
4.1.7.22 - 200-UP-1 Operable Unit	620	Unplanned efficiencies in operable unit's operation and project management.
4.1.7.23 - 200-ZP-1 Operable Unit	(1,464)	Additional resources needed to cleanup contaminated soil due to Treatability Test spill ($400K); 4 well expansion overruns ($925K); ETF Line continues to incur costs in FY08 ($85K).
4.1.7.30 - 300-FF-5 Operable Unit	477	Report is not complete and there will be additional costs seen during subsequent review and comment phases.

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

Subproject	FYTD Variance	Causal Factors
Significant Schedule Variances		
4.1.2.8.5 - 200-CW-1 Gable Mountain/B Pond CWG	1,207	Completed a significant amount of FY 2007 activities.
4.1.2.8.8 - 200-TW-1/PW-5 Scavenge Waste Group	(1,148)	Schedule performance was significantly impacted by the stop work issued due to subsidence issues identified with the S-1, S-2 and S-13 borehole work. Issues were resolved for the S-13 borehole, but the decision not to drill was made so as to limit the fiscal impact of sample workscope carryover into FY-09.
4.1.2.8.9 - 200-PW-2/4 Uranium-Rich Process	(967)	Behind schedule on the A-5 borehole workscope (field work, analytical work).
4.1.2.8.11 - 200-LW-1 200A Chemical Lab Waste Group	(687)	Due to delays in starting high risk borehole B-6 field work; scheduled to start in FY-09.
4.1.2.8.15 - 200-IS-1 Tanks/Boxes/Pits/Lines Group	(2,540)	Field delays due to additional work required to obtain excavation permits, limited field resources, and additional work required to modify direct push and geo-logging subcontracts.
4.1.2.8.16 - 200-BP-1 Hanford Prototype Barrier	(233)	Due to late authorization (August) to commence work from on the Burn Study and contract delays between PNNL and WSU.
4.1.2.8.21 - 200-TW-2 Scavenged Waste Group	(207)	Work was suspended on 216-T-5, T-6, and T-7 due to reprioritization of Central Plateau workscope and the application of resources to higher priority work.
Significant Cost Variances		
4.1.2.8.5 - 200-CW-1 Gable Mountain/B Pond CWG	828	Medium risk borehole turned out to be low risk, resulting in reduced cost.
4.1.2.8.8 - 200-TW-1/PW-5 Scavenge Waste Group	470	Work performance efficiencies seen in project management, direct pushes, and site specific sampling plan workscope.
4.1.2.8.9 - 200-PW-2/4 Uranium-Rich Process	487	Performing the work more efficiently than planned in the baseline.
4.1.2.8.15 - 200-IS-1 Tanks/Boxes/Pits/Lines Group	1,628	High risk templates were used to plan work based on known contamination; however, so far the work performed is low risk. In addition, field work has been more efficient than the parametric model.
4.1.2.8.17 - Burial Ground Sampling and Analysis	(367)	Change in field execution (subcontracted instead of internal); significant amount of training and mobilization costs to subcontract; scope value was likely underestimated in earlier planning activities.
4.1.2.8.22 - 200-MG-1/2 Model Group Sites (Ecology & EPA)	269	Cost variance due to development of an EE/CA as opposed to an FS/PP. Contractor efforts were also much less than planned.
4.1.2.8.24 - 200-SC-1 Steam Condensate	2,002	Material costs are less than planned and prior year efficiencies in A-30 and B-55 HRBH field planning and characterization. Positive variance also reflected by less than planned analytical costs.

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

Subproject	FYTD Variance	Causal Factors
Significant Schedule Variances		
4.1.2.4 - Central Plateau Facilities Cleanup	(461)	The unfavorable schedule variance is due to delays in procurement of the front end loader.
4.1.2.8.3 - 200-UW-1 U Plant Zone Waste Site Remediation	414	The favorable schedule variance is primarily due to completion of prior year work scope (241-U-361 Sampling Analysis).
Significant Cost Variances		
4.1.2.1.1 - U Plant	103	The favorable cost variance is due to efficiencies and vacant positions.
4.1.2.4 - Central Plateau Facilities Cleanup	96	The favorable cost variance is due to efficiencies realized during demolition of mobile offices MO384 and MO922.
4.1.2.7 - Central Plateau Remediation Project Management	632	The favorable cost variance is due to vacant positions, efficiencies, and a favorable variance distribution.
4.1.2.9 - Waste Site Remediation	441	The favorable cost variance is due to 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.
- U-Plant Ancillary Facilities Removal Action Work Plan to be finalized.

Other Facility D&D

- TPA Key Facility negotiations will be initiated.

200 North Geographic Zone Remediation

- 200-CW-3 --- Finalize RAWP for 216-N-1, -4, -6, and waste units added via TPA Change C-07-07.
- Finalize EE/CA for demolition of three (3) 200-N buildings (212-N, P, R).
- Transmit draft railcar options report to regulatory agencies for information.

Planned Activities
Next 6 Months

100-HR-3

- Complete the Electrocoagulation Treatability Test Report.
- Perform technology selections and develop alternatives for 100-D remedial Process Optimization.
- Complete investigation of Horn Area.
- Deliver Draft A RI/FS Work Plan for regulator review.

100-KR-4

- Drill four new wells near KW reactor.
- Design and initiate construction of a 100 gpm expansion of the KW pump-and-treat facility.
- Conduct acceptance testing and operational testing of the KX pump-and-treat system.
- Complete Systematic Planning and DQO process and begin development of the RI/FS Work Plan.

100-NR-2

- Monthly samples continue with 1650 set already collected providing 72,000 data points.

Planned Activities

Next 6 Months

300-FF-5

- Initiate 300 Area RI/FS Work Plan.
- Develop 300 Area Treatability Test Plan for Uranium.

100-FR-3

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

200-BP-5

- Issue 200-BP-5 RI/FS DQO (WMP28945 Rev. 1).
- Draft 200-BP-5 section of Groundwater Annual Report.

200-IS-1

- Submit CX-Tank System Closure Plan (M-20-54).

200-PO-1

- Conduct field tests of advanced borehole and surface geophysical methods.
- Conduct sampling of RI Phase I aquifer tubes and supplemental characterization wells.

Planned Activities
Next 6 Months

200-UP-1

- Continue sampling activities.
- Issue Explanation of Significant Difference.

200-BC-1

- Obtain DOE comments on report that examines correlations between Electrical Resistivity Characterization data and soil contaminant concentrations and revise/issue report.

200-MG-1,-MG-2

- Resolve Ecology comments on Draft A version and develop 200-MG-1 Rev 0 EE/CA. Issue public notice of EE/CA issuance for public review.
- Resolve EPA comments on Draft A version and develop 200-MG-2 Rev 0 EE/CA. Issue public notice of EE/CA issuance for public review.
- Develop Decisional Drafts of the 200-MG-1 and 200-MG-2 OU Action Memos.

Planned Activities
Next 6 Months

200-UW-1

- Complete the U-12, supplemental Deep Vadose Zone characterization DQO workshops.
- DOE will respond to Ecology and EPA USGS comments on the RAGs document and its underlying STOMP modeling.

200-ZP-1

- Finalize SAP for FY09 8 extraction wells and one new monitoring well.
- Finalize SAP for the new T-6, T-7, and T-8 wells to be installed in the vicinity of T Tank Farm.
- Continued operation and maintenance of the ZP-1 pump-and-treat system.
- Prepare OTP and complete final punch list for the FY08 4 well expansion.
- Prepare annual summary report for the ZP-1 pump-and-treat system.
- Prepare RD/RA Work Plan for the final ZP-1 treatment system.
- Begin design work for the final treatment building.
- A milestone change package will be submitted with the RD/RA work plan (as required by the TPA).

Planned Activities
Next 6 Months

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-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 Feasibility Study and Proposed Plan.
- Finalize and publish the RI Report for 200-MW-1

200-PW-2/4

- Put the investigation work and data into safe and retrievable state by completing analysis of samples collected, completing supporting reports including validation reports and borehole summary reports. Drilling and sampling work already initiated at the 216-S-1/2 Crib will be completed and boreholes decommissioned.

Issues

- Reporting of "100-HR-3" at TPA Quarterly is now incomplete because of the significant inter-relationship of remedial alternatives and remedial investigations.

- Work on Multi-Increment Sampling test project delayed due to funding/priority realignments. SAP and Waste Control Plan have been approved by Ecology.

U.S. Department of Energy (DOE)
Richland Operations Office (RL)
Assistant Manager for Central Plateau
PBS - 42: Fast Flux Test Facility (FFTF) Project
Tri-Party Agreement
M-81 and M-92 Deactivation Milestones

October 16, 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-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 issued in July 2008)**	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 maintaining the plant in a safe and compliant manner, and completing deactivation activities to support placing FFTF in long term Surveillance and Maintenance (S&M) by August 31, 2009.
- Systems deactivation continues on plant systems not required to support S&M.
- Work was completed to obtain DOE approval of the Documented Safety Analysis and required fire protection equivalencies for S&M.
- Project costs and schedule continue to be maintained in control.

Significant Accomplishments
(Last 3 Months)

- **Contract Transition**
  - The CH2M Hill Remediation Company began executing the PBS-42 (FFTF Project) workscope under the new Plateau Remediation Contract on October 01, 2008.
- **Interim Examination and Maintenance (IEM) Cell and Fuel Handling Systems Deactivation**
  - Completed cleanout and shutdown on July 23, 2008.
- **Auxiliary Systems Deactivation**
  - Completed the removal and disposition of 2 of 5 remaining polychlorinated biphenyl (PCB) transformers (X-6 and X-11).
  - Began preparation for upgrading 3 fire detection panels for S&M.
- **Excessing of FFTF Spare Parts and Vacating Facilities (Warehouses) Outside the Property Protected Area**
  - Completed excessing spares and cleaning of Buildings 4732A, 4732B, and 4732C on July 18, 2008, August 25, 2008, and September 26, 2008. The buildings were transferred to Warehouse Operations.

Significant Planned Actions (Next 6 Months)

- **Auxiliary Systems Deactivation**
  - Complete draining of the In-Containment Chilled Water and Cooling Water systems.
  - Complete the removal of combustible materials from Containment and the Reactor Service Building.
  - Complete removal and disposition of 3 remaining PCB transformers (X-7, X-13, and X-14).
  - Continue installation of 13.8 kilovolt electrical power to FFTF for use during S&M.
- **Disposable Solid Waste Cask (DSWC)**
  - Obtain DOE-RL approval of DSWC Engineering Document Change (EDC) (i.e., trailer configuration and tie-down analysis) to enable offload and shipment of IEM Cell waste to the Environmental Restoration and Disposal Facility (ERDF). Ship the DSWCs to ERDF.
- **FFTF Building Closures**
  - Continue clearing 54 buildings/structures of personnel, hazardous materials, and transient combustibles.
- **Waste Shipments to ERDF**
  - 11 Ion Exchange Modules, other FFTF deactivation waste, special handled waste (i.e., 8 long boxes, 5 floor valves, 2 IEM Cell adaptor plates, 3 shield blocks), 3 DSWCs, and the Short Segmented Maintenance Cask.

BUDGET/COST STATUS

Fiscal Year 2008 Status (~$000)

(September 30, 2008)

Description	Baseline Cost of Work Scheduled (BCWS)	Baseline Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (SV)	Cost Variance (CV)
FFTF	$19,431	$21,021	$20, 758	$1,589	$263

<u>Variance Analysis</u>:

SV is positive.

CV is positive.

Project Issues/Risks

- DOE-RL approval of the DSWC EDC (i.e., trailer configuration and tie-down analysis) to enable offload and shipment of IEM Cell waste to ERDF.

Summary

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