Central Plateau
Tri-Party Agreement Milestone Review
Meeting Minutes
October 15, 2009

Approval: _____ Date: 11/19/09
J. Hedges
Ecology IAMIT Representative

Approval: _____ Date: 11/25/09
M.S. McCormick
DOE IAMIT Representative

Approval: _____ Date: 11/19/09
D.A. Faulk
EPA IAMIT Representative, Chairperson

Minutes Prepared by: _____ Date: 11/30/09
T.W. Noland
Mission Support Alliance, LLC

Black D.G.*	CHPRC
Bond, R.*	Ecology
Bohnee, G.	NPT
Buelow, L.C.	EPA
Call, P.K.	RL
Cameron, C.E.*	EPA
Charboneau, B.L.*	RL
Cimon, S.*	ODE
Collins, M.S.*	RL
Donnelly, J.W.	WCH
Einan, D.R.	EPA
Engelmann, R.H.	CHPRC
Farabee, O.A.	RL
Faulk, D.A.*	EPA
Fort, L.A.*	Ecology
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
Jaraysi, M.N.	CHPRC
Jim, R.	Yakama
Jones, M.E.	Ecology
Knox, K.E.*	KCR
Lobos, R.A.*	EPA
Louie, C.S.*	RL
Mandis, M.L.	Ecology
Mattlin, E.M.*	RL
McCormick, M.S.*	RL
Morrison, R.D.*	YAH
Morse, J.G.	RL
Niles, K.	OOE
Noland, T.W.*	FFS
Piippo, R.E.*	CHPRC
Potter, R.D.	MSA
Price, J.B.*	Ecology
Romine, L.D.	RL
Russell, R.W.	ORP
Singleton, D.G.	Ecology
Skinnarland, E.R.*	Ecology
Teynor, T.K.	RL
Voogd, M.J.	RL
Walker, C.B,	CHPRC
Weil, S.R.	RL
Whalen, C.*	Ecology
Wilkinson, R.E.	CHPRC
Williams, J.D.*	CHPRC
Wise, B.K.	CTUIR
Administrative Record	
*Attendees	

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Central Plateau
Tri-Party Agreement Milestone Review
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October 15, 2009

PFP Closure Project - TPA Milestone M-083-00

Accomplishments

RL reported completion of off-site shipments of special nuclear material and un-irradiated fuel. Once the slightly irradiated fuel located at PFP is sent to the Canister Storage Building, the protective area of PFP will be removed. Ecology inquired about any future role RL will have regarding plutonium. RL responded that Environmental Management is responsible for the plutonium now that it has been consolidated at Savannah River. Some of the plutonium will go to the mixed oxide fuel side, and alternatives are being evaluated for the remainder.

Planned Activities

With receipt of the American Reinvestment and Recovery Act (ARRA) funding, activities have been accelerated, although the schedule was to ramp up activities at this time. Since the 2736-ZB vault complex will no longer be storing the 3013 containers, it will transition from an operating facility to a CERCLA D&D facility. The safety documentation is being changed to allow D&D to start in 2736-ZB.

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

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

Ecology inquired if the PNNL barium waste was commercial or government related and RL confirmed it was government related.

TPA Quarterly Milestone Review M-91 Series

RL reported the M-91-45 negotiations were started September 8, 2009 and have been progressing weekly. Much progress has been made, but there are some issues that will need to be addressed by the RL and Ecology management.

Under Milestone M-91-40, RL noted that this is a contact-handled retrieval milestone, but the non-caisson remote-handled waste in the trenches is being retrieved as well when it is uncovered. It is a small amount of approximately ten cubic meters.

Actions Planned for Next Six Months

RL noted that the next generation retrieval will require permit modifications to address processing in the trenches. Ecology indicated the schedule and regulatory path would be discussed further in the afternoon M-91 negotiations.

Soil and Groundwater Remediation Project Milestone Review - M-15-00, M-16-00, M-24-00

Milestone Status

RL noted that the new milestones that were negotiated earlier this year have been incorporated into the milestone review status. Regarding Milestone M-24, it was agreed that at some point a discussion of the milestone and when it has run its course should be held.

Significant Accomplishments

200-ZP-1 - RL reported that the extensive aquifer testing for the new extraction well network was completed and has proved to be very successful. The goal was to get 100 gallons per minute out of the new super well, and the high sustained flow so far has been 170 gpm.
200-PW-1/3/6 - EPA stated that a meeting is scheduled next week to resolve final comments on the draft Feasibility Study (FS). RL stated that determining which pipelines can or can't be incorporated will be a difficult issue to resolve. Ecology noted that it has worked extensively with the pipelines outside of tank farms, and suggested that RL provide a map of the pipelines at issue so Ecology staff can review it and make suggestions.
200-MG-1/2 - EPA inquired about the status of the draft Action Memorandum for MG-2, which the regulators have reviewed and provided comments. RL indicated that there needs to be discussion whether to pursue work in the near future since there seems to be less need for fill-in work in the inner area. Ecology suggested it was prudent to authorize the work, and if the need arises the authorization would be in place. RL stated they will discuss proceeding with approval of the document and provide a recommendation to EPA and Ecology.
200-UW-1 - Ecology inquired about the time frame for drilling the boreholes. RL responded that the plan is being finalized and drilling is planned for FY10. EPA reiterated its belief that drilling the boreholes is high priority work.
U-Zone Remediation - RL noted a correction should be made on page 9, and that the draft TPA change package M-85 for 221-U should be moved from 300 Area FF-5 to the U-Zone. EPA initiated a discussion regarding a milestone end date for U Canyon. EPA considers U Canyon a high priority, and noted that several years ago the Hanford Advisory Board recommended U Canyon as a pilot. RL responded that the current priorities are to complete the River Corridor groundwater objectives along the river, cleanup of the outer area waste sites, ZP-1 pump and treat, and PFP D&D. The U Canyon follows as a priority in terms of preparing for D&D in the next two years; however, funding constraints in 2012 will dictate the schedule for U Canyon.

100-BC-5 - RL stated that the upwelling in the river should have been noted under this topic. A change package to change one of the four early wells in the drilling campaign will be transmitted to EPA today.
100-KR-4 - RL reported that there was a small range fire in the 100-K Area. Some electrical communication lines with different wells and some pipes were damaged. The pipes that had water in them did not breach, and repairs were made quickly. EPA initiated a discussion regarding the chromium Feasibility Study and Proposed Plan (FS/PP). EPA is sending a letter to RL next week stating that the individual project managers have developed a path forward for each operable unit, and that the Tri-Parties should proceed with revising the FS/PP. The letter is in response to RL's letter requesting the individual project managers to develop a path forward. Ecology will be joining EPA's letter to include the remaining sites coverage for the 100-D Area and 100-HR-3, or it will issue a separate letter. EPA and Ecology noted that RL's PP contained very good engineering and a sound technical concept, but it was difficult to understand what was being proposed. EPA and Ecology requested that the PP be revised.
100-HR-3 - RL stated that a pump and treat system will be installed in the H Area, and it will replace the existing system. It will be a much larger system and will incorporate some of the transfer station capability. A new resin is being tested that was optimized specifically for chrome, and so far the resin is running about 15 times longer than the current resin. RL stated that in-situ treatment and maintenance of the ISRM barrier is under review, and an analysis of the plume contaminant is also under way.

RL-30 and RL-40 Cost and Schedule Performance

RL reported that with the ARRA funding, a tremendous number of contracts were put in place at the end of FY09, which allows work to begin much sooner than usual and to accelerate some work.

Planned Activities - Next Six Months

200 North Remediation - Ecology inquired about the status of the decision document associated with disposal of the 15 rail cars. RL responded that discussions are ongoing and a decision has not been made. EPA stated its position that the decision for the rail cars will not go under the ERDF ROD amendment. EPA reiterated its recommendation to prepare an Engineering Evaluation and Cost Analysis (EE/CA) for the rail cars. EPA and Ecology emphasized the value of upholding the public process, which would be initiated though an EE/CA.
Ecology requested that a status be provided on well decommissioning.
Well Decommissioning
Ecology requested that well decommissioning status be reported in the future and RL agreed that it would be included. EPA requested that reporting of well decommissioning include the numbers of types of wells if that information is readily available.
200-ZP-1 - RL noted a correction, that the design for the 200 West pump and treat is now 90 percent complete and not 60 percent as reported.
200-UW-1 - Ecology noted that the Remedial Action Goals document has been reviewed and commented on, and requested a formal transmittal of the document. RL stated that the content of

this document was planned to be included in the feasibility study which would be formally transmitted to Ecology. Ecology agreed to this approach.

Issues

EPA inquired about the project associated with the Addendum 1 SAP, and the definition of the term mini-SAP. RL responded that the project is associated with D/H. Mini-SAPs are prepared when the main SAP is held up but certain parts under the SAP aren't at issue. It was also noted that mini-SAPs are considered to be either site-specific SAPs, operable unit SAPs or task-specific SAPs. The issue with the main Addendum 1 SAP was concerning which soil samples should be taken, which is being resolved.

Tri-Party Agreement

Thursday, October 15, 2009
Ecology Offices, Conference Room 3A/B
3100 Port of Benton Way
Richland, Washington

Agenda
Central Plateau Milestone Review Meeting
Chairman: Matt McCormick

9:00 a.m.	M-83-00	PFP Transition
9:10 a.m.	M-26-01	Land Disposal Restrictions Report
9:20 a.m.	M-91-00	Acquisition of Facilities to TSD TRU/TRUM and LLMW
9:30 a.m.	M-15-00	RI/FS Process Completion
	M-16-00	Complete Remedial Actions
	M-24-00	Groundwater Well Installation
10:15 a.m.	Adjourn Milestone Review	

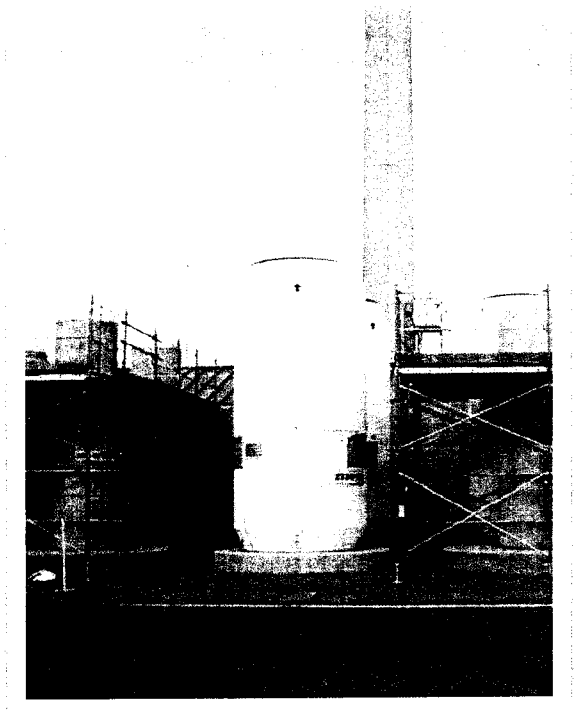
Tri-Party Agreement Major Milestone Management Review
October 15, 2009

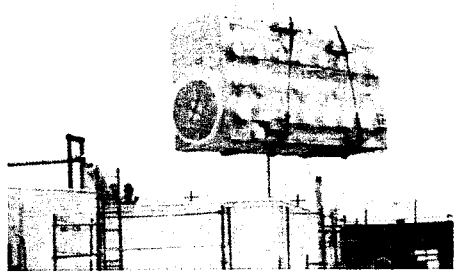
Name	Organization	Mail Stop	Phone
DG Black	CHPRC		376-0740
DL Foss	CHPRC		438-2705
Ron Morrison	YAHSGS		376-2994
Rob Piepho	CHPRC		373-3283 S
Ron Skinnarland	Ecology		372-7924
Jane Hedges	Ecology		372-7905
John Price	Ecology		372-7921
Michael Collins	DOE		376 6536
Harvey Simon	ODOE		(541) 240-0160
Larry Gadbois	EPA		376-9884
Craig Cameron	EPA		376-8665
Ellen Mattlin	DOE-RL		376-2385
Matt McCormick	DOE/RL		373-9971
Brian Charboneau	DOE		373-6137
Janice Williams	CHPRC		372-3553
Catherine Louie	DOE		376-6834
Dib Goswami	Ecology		372-7902

Tri-Party Agreement Major Milestone Management Review
October 15, 2009

Name	Organization	Mail Stop	Phone
Terry Noland	MSA		376-6574
Kathy Knox	Lin Court Reporting		946-5535
Dennis Faulk	EPA		
Rick Bond	Ecology		372-7885
JOE FRANCO	DOE/RL		376-6628
Michael Collins	DOE		376-6536
LES FORT	ECY		372-7984

PFP Closure Project
TPA Milestone M-083





October 2009
Tri-Party Agreement Milestone
Status Report

Ecology Project Manager – R. Bond
DOE-RL Project Director – E. Mattlin
PFP Closure Project – D. Del Vecchio
CHPRC Environmental – C. Walker

M-83 Status for Interim Milestones
(as of 06/31/09)

TPA No.	TPA Commitment Date	Milestone Title	Status
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***
M-083-44	9/30/15	COMPLETE TRANSITION OF THE 234-5-Z (PFP), 243-Z LLW Treatment, 291-Z and Z-1 Stack	***On Schedule***

Accomplishments

- Completed De-Inventory of Special Nuclear Material stored in 3013 Containers
- Completed De-Inventory of Un-irradiated Fuel in a total of thirteen Hanford Un-irradiated Fuel Package (HUFP) shipments
- Completed De-Inventory of excess sources and standards
- Completed Plutonium Reclamation Facility (PRF) west side gallery glovebox clean out
- The Project has removed to date a total of 45 gloveboxes and hoods from the process area of PFP
- Reduced the inventory of combustibles within PFP

Planned Activities

- Introduce 11 new D&D field work teams
- Continued PRF gallery glovebox clean out
- Continued glovebox clean out and removal in 234-5Z
- Complete design and procurement of PRF pencil tank removal equipment
- Begin D&D of 234-5Z Support Systems
- Begin D&D field work on 242-Z
- Begin D&D field work on 2736-ZB
- Procure/install HVAC Cooling for PFP/PRF
- Continue Min-Safe maintenance activities

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

RL-0011 - Nuclear Material Stabilization & Disposal (PFP)	Fiscal Year to Date				
	BCWS	BCWP	ACWP	SV$	CV$
(ARRA/ & Base) -Total	122.5	121.4	111.6	(1.1)	9.9
(Numbers are rounded to the nearest $0.1M)					

FYTD Schedule Performance: (-$1.1M/-0.9%)

- Productivity impact due to seasonal heat stress controls
- Implementation of some facility modifications delayed

FYTD Cost Performance: (+$9.9M/+8.1%)

- Favorable performance attributed in part due to late hiring of ARRA funded staffing

Issues

Regulatory Issues:

- **Transition of PFP stacks to CERCLA**
  - Administrative change
  - Update of Air Operating Permit (AOP)

Non-Regulatory Issues:

- **None**

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
Quarterly Presentation
October 15, 2009

Tri-Party Agreement

Deborah Singleton, Ecology Lead
Michael Collins, RL Project Lead
Ronald Koll, ORP Project Lead

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
October 15, 2009

- 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 15, 2009

- The CY2008 LDR Summary Report approved with comment by Ecology August 20, 2009

- Hot Topics
  - LDR Determination of Equivalent Technology for macroencapsulation of lead solids – assembling a list of lead solids waste streams
  - Site-specific LDR Variance for PNNL "barium" waste:
    - Variance approved August 21, 2009
    - Start treatment as early as Spring 2010

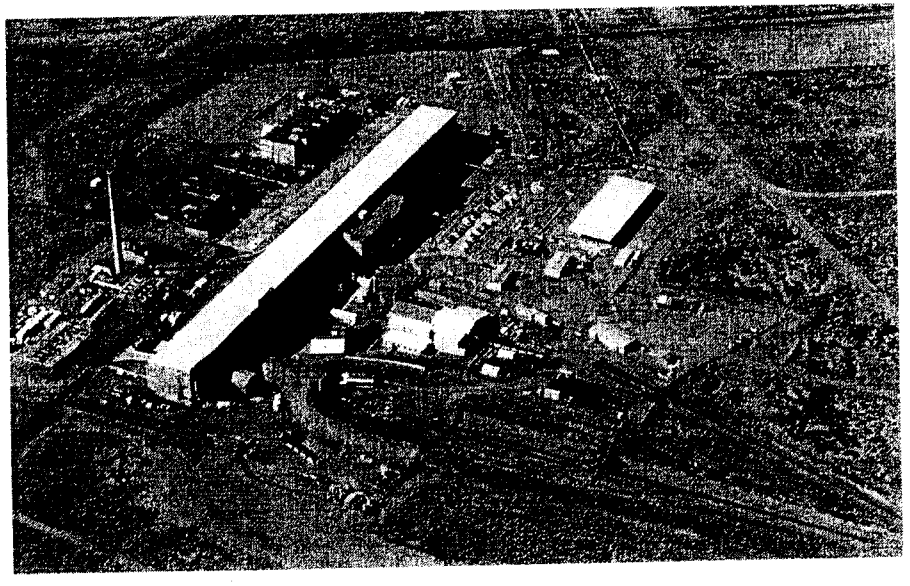
Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
October 15, 2009

- Hot Topics (cont.)
  - 241-CX Tank System LDR Assessment and Report:
    - Comment resolution complete
    - Report finalized

- Actions Planned for Next Three Months
  - Initiate preparation of CY2009 LDR full 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



October 15, 2009

Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

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TPA Quarterly Milestone Review
M-91 Series

Significant Accomplishments of the Last Three Months

- TPA Change Package M-91-08-05 approved 08/11/09. M-91-45 negotiations started 09/08/09.

- Treated 368 m^3 of M-91-42 MLLW
  - Total volume treated – 7,786 m^3
  - Met target milestone to treat 7,600 m^3 by 12/31/09
  - Total volume shipped – 7,964 m^3 (83 m^3 in the quarter)

TPA Quarterly Milestone Review
M-91 Series

Significant Accomplishments of the Last Three Months

- Treated 142 m^3 of M-91-43 MLLW
  - Total volume treated – 647 m^3
  - Met interim milestone to treat second 300 m^3 increment by 06/30/10
  - Total volume shipped – 661 m^3 (12 m^3 in the quarter)

- 201 drums (42 m^3) of M-91-42 TRU waste repackaged into a WIPP-compliant form
  - Certified waiting shipment to WIPP – 484 m^3
  - In WIPP-compliant form – 335 m^3
  - Ready for shipment to Idaho – 187 m^3

TPA Quarterly Milestone Review
M-91 Series

Significant Accomplishments of the Last Three Months

- Retrieved 144 m^3 of M-91-40 RSW
  - Total volume retrieved – 10,208 m^3
  - Met target milestone to retrieve 9,950 m^3 by 09/30/09
  - Volume removed from trenches but not shipped to a TSD – 222 m^3
  - Completed retrieval of drums from 218-W-4B, Trench TV7
  - Next Generation Retrieval – Procurement of equipment/services ongoing
  - Started conceptual design for processing alpha caisson waste
  - Work continuing in 218-W-3A, Trench 17 and 218-W-4B, Trench 11

TPA Quarterly Milestone Review
M-91 Series

FISCAL YEAR 2009 TO DATE (09/09) 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	7,688.9	7,658.2	7,019.5	(30.62)	638.7
Waste Receiving and Packaging Facility	7,234.3	7,234.3	8,070.4	0.0	(836.1)
T Plant	16,760.3	18,824.4	14,332.8	(70.0)	595.4
MLLW Treatment	8,612.2	11,601.6	10,052.1	2,064.1	4,491.6
TRU Retrieval	14,766.1	13,598.7	17,683.1	(1,167.4)	(4,084.4)
TRU Repackaging	8,250.7	8,262.1	7,332.2	11.3	929.8
TRU Disposition	1,740.3	1,464.0	470.0	(276.3)	994.0
Project Management	19,619.8	19,619.8	18,517.2	0.0	1,102.7

TPA Quarterly Milestone Review
M-91 Series

Variance Analysis

- FYTD Schedule Variance: The positive schedule variance for MLLW treatment is due to the early return of M-91-42 waste from offsite treaters and earlier than planned shipments to offsite treaters. The negative schedule variance for retrieval is due to weather, degraded containers causing extra planning and effort to remove, and contamination.

- FYTD Cost Variance: The positive schedule variance for MLLW treatment is an artifact of funds committed but not costed until the treated waste is returned. The negative cost variance for retrieval is due to weather, degraded containers causing extra planning and effort to remove, and contamination.

TPA Quarterly Milestone Review
M-91 Series

Actions Planned for Next Six Months

- Continue shipping and treating M-91-42 and M-91-43 MLLW
- Continue repackaging M-91-42 TRU waste into a certifiable form
- Implement Central Characterization Project (visual examination, non-destructive examination, non-destructive assay, head space gas sampling)
- Continue retrieval from 218-W-3A and 218-W-4B
- Remediate degraded boxes 80 and 82 in Burial Ground 218-W-3A, Trench 17

TPA Quarterly Milestone Review
M-91 Series

Actions Planned for Next Six Months

- Continue Next Generation Retrieval procurements
- Continue design of retrieval and processing systems for alpha caisson waste

SOIL AND GROUNDWATER REMEDIATION PROJECT MILESTONE REVIEW

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

Tri-Party Agreement

U.S. Department of Energy
U.S. Environmental Protection Agency
State of Washington, Department of Ecology
Fourth Quarter FY09
October 15, 2009

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
M-015-00C – Complete all 200 Area Non-Tank Farm Operable Unit pre-ROD Site Investigations			
M-015-00D	12/31/12	Submit PPs for all 100 & 300 Area OUs to complete RI/FS process	On Schedule
M-015-17A	09/30/10	Submit a 200-UP-1 OU Combined RI and FS Report and PP	On Schedule
M-015-21A	12/31/12	Submit 200-BP-5 OU FS and Proposed Plan to EPA	On Schedule
M-015-38B	11/30/10	Submit Revised FS Report & Revised Proposed Plan for 200-CW-1	On Schedule
M-015-40E	12/31/09	Parties Will Complete Negs. & DOE Will Submit Chg. Pkgs. w/New M/S	On Schedule
M-015-44B	02/28/10	Submit 200-MW-1 OU FS & Proposed Plan to EPA.	On Schedule
M-015-49A-T01	08/16/09	Submit a Draft Action Memorandum for the 200-MG-1 OU	**COMPLETED**
M-015-51	09/30/10	Submit Revised FS Report & Proposed Plan to EPA for 200-BC-1 OU	On Schedule
M-015-54	01/31/10	Submit Report on Reactive Gas Testing for Sequestration of Uranium	On Schedule
M-015-60	ROD+6 Mo	Submit RD/RA Work Plan, if 100-NR-1/2 ROD Amend. is Issued	On Schedule
M-015-61	12/31/09	Submit RI/FS Work Plan for the 100-NR-1 and 100-NR-2 OUs	On Schedule
M-015-62-T01	12/31/11	Submit FS/PP for 100-NR-1/2 OUs Including GW and Soil	On Schedule
M-015-63	09/30/09	Submit RI/FS Work Plan for 100-FR-1/2/3 and 100-IU-2/6 for GW & Soil	**COMPLETED**
M-015-64-T01	11/30/11	Submit RI/FS Report and PP for 100-FR-1/2/3 and 100-IU-2/6	On Schedule

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
M-015-00C – Complete all 200 Area Non-Tank Farm Operable Unit pre-ROD Site Investigations			
M-015-66-T01	07/31/11	Submit RI/FS Report and PP for 100-KR-1/2/4 OUs for GW and Soil	On Schedule
M-015-67	09/30/09	Submit RI/FS Work Plan for 100-BC-1/2/5 OUs for GW and Soil	**COMPLETED**
M-015-68-T01	11/30/11	Submit RI/FS Report and PP for 100-BC-1/2/5 OUs for GW and Soil	On Schedule
M-015-70-T01	07/30/11	Submit FS Report and PP for 100-HR-1/2/3 and 100-DR-1/2 OUs	On Schedule
M-015-71	10/31/09	Submit RI/FS Work Plan for 300-FF-2/5 OUs for GW and Soil	On Schedule
M-015-72-T01	12/31/11	Submit RI/FS Report and PP for 300-FF-2/5 OUs for GW and Soil	On Schedule
M-015-73	12/31/11	Submit FS Report and PP for 200-PO-1 OU	On Schedule
M-015-82A	12/31/10	Submit Treatability Test Plan as Amendment of 200-BP-5 WP	On Schedule
M-015-82B	TTP+ 6 mo. Approval of TTP plus 6 months	Initiate 200-BP-5 Aquifer Tests Within 6 months of TTP Approval	On Schedule
M-015-83	03/31/10	Submit Proposed Plan for 200-UW-1	On Schedule
M-016-00 – Complete Remedial Actions for all Non-Tank Farm Operable Units			
M-016-14B	12/31/09	Submit a draft CERCLA Proposed Plan, 100-NR-1/2	On Schedule
M-016-93A	12/31/09	Submit Implementation Workplan to Prepare TRU/TRUM Waste	On Schedule

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
M-016-00 – Complete Remedial Actions for all Non-Tank Farm Operable Units (cont.)			
M-016-93B	12/31/12	Submit Implementation Workplan to Prepare TRU/TRUM Waste	On Schedule
M-016-110-T01	12/31/12	Take Actions to Contain or Remediate Hexavalent Cr 100A GW Plumes	On Schedule
M-016-110-T02	12/31/20	Take Actions Such That Hexavalent Cr Meets Drinking Water Stds.	On Schedule
M-016-110-T03	12/31/16	Take Actions to Contain Sr-90 GW Plume at 100-NR-2 OU	On Schedule
M-016-110-T04	12/31/16	Implement Remedial Actions in all 100A RODS for GW OUs	On Schedule
M-016-110-T05	12/31/15	Implement System to Meet Drinking Water Stds. for U at 300-FF-5 OU	On Schedule
M-016-111B	12/31/10	Expand P&T System at 100-HR-3 OU to 500 gpm Capacity	On Schedule
M-016-111C	12/31/11	Expand P&T System at 100-HR-3 OU to 800 gpm Capacity	On Schedule
M-016-112A	12/31/09	Complete Demos for Biostimulation and Electrocoagulation	On Schedule
M-016-119-T01	12/31/20	Remedy in Place to Contain GW Plumes in 200 NPL Area	On Schedule
M-016-120	12/31/11	GW Treatment System <50 gpm for Tc-99 Plume at S/SX Tank Farm	On Schedule
M-016-122	12/31/11	Begin Phase 1 Operation of 200W Pump and Treat System	On Schedule
M-016-123B	TBD	Initiate 200-ZP-1 Constr. 6 Mo. After RD/RA Work Plan Approval Work plan submitted 3/24/09, 09-AMCP-0093	On Schedule
M-016-124	08/31/10	Submit 200-ZP-1 Remedial Design Report	On Schedule

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
M-024-00 – Complete Well Installations with RCRA/CERCLA Requirements			
M-024-58C	06/01/10	Initiate Discussions of Well Commitments	On Schedule
M-024-61	12/31/10	DOE Shall Complete Construction of 90 Wells	On Schedule
M-024-61-T01	08/01/10	Conclude Discussions of Well Commitments	On Schedule
M-024-62	12/31/11	DOE Shall Complete Construction of all Wells Listed	On Schedule
M-024-62-T01	08/01/11	Conclude Discussions of Well Commitments	On Schedule

Significant Accomplishments

200-PO-1 OU

- As part of the preparation of the RI report, briefing meetings were held with the regulators to present results of the data quality assessment (DQA), draft ARARs, contaminants of potential concern (COPCs) data packages, and the planned approach to groundwater contaminant transport modeling.

200-BP-5

- The PNNL analytical results from five FY08 wells were completed and loaded into HEIS, (299-E33-205, 299-E33-340 through 299-E33-342, and 699-52-55B).

200-BC-1

- Submitted the Draft A Treatability Test Report to the regulators on August 31, 2009.
- Continued preparation of the Draft B feasibility study and proposed plan incorporating the results of the treatability test report.

200-UP-1

- The draft of Revision 3 to the 200-UP-1 OU Interim RD/RAWP was transmitted to the regulators for review on August 14, 2009.
- As part of the preparation of the RI report, briefing meetings were held with the regulators to present results of the data quality assessment (DQA), draft ARARs, contaminants of potential concern (COPCs) data packages, and the planned approach to groundwater contaminant transport modeling.

200-IS-1

- Issued Rev. 1 of the 241-CX Tank System Closure Plan.

Significant Accomplishments

200-ZP-1

- Issued Rev. 0 Remedial Design/Remedial Action Work Plan to DOE-RL to meet TPA schedule.
- Rev. 0 annual pump-and-treat performance report was issued.
- Extensive aquifer testing in new extraction EW-1 (C7017) was completed.
- Completed 30% design review for the 200-West Area Groundwater Treatment Facility.
- Depth-discrete groundwater samples were collected during drilling of new extraction wells.

200-PW-1/3/6

- Two new SVE units are currently in Operational Testing using an Operational Testing Procedure (OTP).
- Redline revisions for the Draft B FS were provided to EPA in September and are under review.
- A briefing to summarize the screening and identification of COCs was provided to EPA and Ecology in August.

200-CW-5

- The Draft C FS is being prepared to simplify the number of alternatives evaluated and to be more consistent with the 200-PW-1/3/6 FS.

200-MG-1/2

- Issued Action Memorandum and SAP documents for 200-MG-1, eleven outer area waste sites on 08/14/09.
- Transmitted the RAWP for 200-MG-1, eleven outer area waste sites, and received regulator comments.
- Transmitted Action Memorandum (Draft A) for 200-MG-2 and received regulator comments.

Significant Accomplishments

200-UW-1

- Completed the workshop and finalized the DQOs for the 216-U-8 and 216-U-12 cribs.
- Conducted a workshop with Ecology, USGS, EPA and RL to address comments on the Remediation Action Goals process document.
- Initiated development of a Proposed Plan that will incorporate the results of the above work.

200-SW-2

- Initiated surface geophysical investigations in four landfills.
- Initiated passive organic vapor sampling at ~350 locations in 200-E/W landfills.

Burial Grounds Sampling and Analysis

- Issued *Burial Ground Sampling and Analysis Results for April – June 2009* report involving organic vapor sampling at 87 locations in Burial Ground 218-W-4C. This report was transmitted to Ecology to satisfy M-091-40, Requirement 2.

Significant Accomplishments

U-Zone Remediation

- **221-U Disposition**
  - Sampling of D-10 tank in U Plant's cell 30 completed.
- **U-Ancillary Facilities**
  - Removal actions in accordance with Removal Action Work Plan, DOE/RL-2004-83, Rev. 1, underway.

200 North Remediation

- **212-N, -P, and -R Facilities/Structures**
  - Non-Time Critical Removal Action demolition well under way and on schedule.
- **200-CW-3 Waste Sites**
  - Confirmatory sampling activities completed.
  - Six waste sites undergoing reclassification to No Action based on confirmatory sampling results.
  - Three waste sites required remediation. Change to work Plan and sampling and analysis plan for RTD and verification sampling initiated.

300 Area FF-5

- **RI/FS Work Plan Draft A**
  - Draft TPA change package M-85-09-01 for 221-U was transmitted on 09/30/09, resolving 221-U dispute.
  - Work Plan submitted to DOE for transmission to EPA.
  - SAP for Work Plan submitted to DOE for transmission to EPA.
- **Uranium Testing**
  - Completed construction of infiltration gallery for tracer and polyphosphate infiltration tests to be conducted at low river stage.
  - Began reinstallation of geophysical instrumentation on surface and observation wells.

Significant Accomplishments

100-BC-5

- **RI/FS Work Plan Addendum Draft A**
  - Work Plan submitted to DOE. DOE submitted to EPA on 9/28/2009.
  - Associated Work Plan SAP submitted to DOE. DOE submitted to EPA with Work Plan.
  - Milestone M-015-67 was met by submitting document to EPA by 9/30/2009.
- **Four-Well Drilling Campaign**
  - Wells being installed to support RI/FS Work Plan efforts.
  - Sampling and Analysis Plan approved.
  - Contract awarded and field mobilization/setup completed.
  - Field work (drilling and sampling) for first two wells initiated.

100-KR-4

- Completed operational testing activities associated with the expansion of the KW pump-and-treat system, KX system original construction, and Phase1 realignment. The KW system and portions of the KX system not affected by Phase 2 realignment are functioning in unrestricted operations mode.
- In accordance with signed TPA-CN-273 and -280, continued construction on and initiated drilling to support KX/KR4 Phase 2 realignment, which will increase system flows and efficiencies and address concerns about the spread of tritium in the 100-KR-4 operable unit.
- Rapidly mobilized and completed repairs to the KX and KR4 systems resulting from an August 10, 2009 range fire.
- Delivered summary recommendations to RL for 100-KR-4 remedial system optimization.
- Reviewed redlined text of revised KW RDR/RAWP, describing the 100-gpm expansion of the KW pump-and-treat facility, with EPA in preparation for final document issuance.

Significant Accomplishments

100-NR-2

- **RI/FS Work Plan Addendum Decisional Draft A**
  - Decisional Draft A of Work Plan submitted to DOE for review
  - Work is supporting progress toward meeting Milestone M-015-61 (due 12/31/2009).
- **171-Well Drilling Campaign**
  - Wells being installed for Sr-90 rivershore plume monitoring and for potential use in future Apatite PRB expansions.
  - Sampling and Analysis Plan approved.
  - Contract awarded and field-work preparation initiated.
- **Jet Injection Pilot-Scale Treatability Test**
  - Treatability Test Plan (Addendum 3) approved by DOE and Ecology on 9/17/2009.
  - Contract awarded 9/30/2009.
- **CERCLA Proposed Plan to Amend the NR-1/2 OU IROD**
  - Draft A of the Proposed Plan submitted to DOE for review on 9/30/2009.
  - DOE to submit to Ecology by 12/31/2009 (Milestone M-016-14B).

100-FR-3

- **RI/FS Work Plan Addendum Draft A**
  - Work Plan submitted to DOE. DOE submitted to EPA on 9/28/2009.
  - Associated Work Plan SAP submitted to DOE. DOE submitted to EPA with Work Plan.
  - Milestone M-015-63 was met by submitting document to EPA by 9/30/2009.

Significant Accomplishments

100-HR-3

- Received and resolved regulator comments on the 100-Area RI/FS Work Plan, Draft A.
- Received and resolved regulator comments on Addendum 1 to the 100-Area RI/FS Work Plan, 100-D/H Decision Unit, Draft A (except SAP).
- Initiated development of a path forward for the 100-Area Focused Feasibility Study and Proposed Plan for In-situ Remediation, Draft A.
- Completed resin testing at DR-5 to support a recommendation for use in DX (ResinTech SIR-700).
- Awarded contracts for DX buildings, DX road crossings and well racks, and started construction.
- Design of DX, 600 gpm P&T system for D Area is 80% complete.
- Initiated design of additional 700 gpm P&T capacity at H Area.

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

RL-30	Current Period					Fiscal Year to Date					
Soil & water Rem-Grndwtr/Vadose	Budgeted Cost			Variance		Budgeted Cost			Variance		
CCL	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV	BAC
BASE - Work Scope											
030.01 - Integration and Assessments	1,817.4	1,697.5	1,654.1	(119.9)	43.5	13,544.4	13,353.4	12,290.2	(191.0)	1,063.2	13,544.4
030.03 - Drilling	909.8	579.6	569.5	(330.1)	10.1	7,368.9	7,124.3	6,986.2	(244.6)	138.1	7,368.9
030.04 - Project Management	1,355.6	1,355.6	564.4	0.0	791.2	10,761.5	10,761.5	9,982.1	0.0	779.4	10,761.5
030.05 - Integrated Field Work	1,590.4	1,279.7	1,432.2	(310.7)	(152.5)	8,330.8	8,020.1	7,517.9	(310.7)	502.2	8,330.8
030.06 - GW Monitoring and Perf Asmts	1,703.0	2,147.5	2,567.4	444.5	(419.8)	13,758.1	14,204.1	15,118.8	446.0	(914.7)	13,758.1
030.10 - 100-BC-5 Operable Unit	29.1	41.7	26.6	12.6	15.1	430.1	430.1	355.1	0.0	75.0	430.1
030.11 - 100-KR-4 Operable Unit	1,271.8	839.0	719.6	(432.8)	119.3	11,531.0	11,475.2	10,770.9	(55.8)	704.3	11,531.0
030.12 - 100-NR-2 Operable Unit	323.7	284.1	174.9	(39.7)	109.2	2,187.8	2,060.0	1,814.4	(127.8)	245.6	2,187.8
030.13 - 100-HR-3 Operable Unit	792.5	569.2	959.4	(223.3)	(390.3)	6,907.2	6,676.2	6,530.4	(231.0)	145.8	6,907.2
030.14 - 100-FR-3 Operable Unit	30.4	24.9	18.1	(5.5)	6.8	374.6	374.6	234.7	0.0	139.9	374.6
030.20 - 200-BP-5 Operable Unit	112.5	59.9	34.1	(52.6)	25.8	605.9	595.1	591.4	(10.8)	3.7	605.9
030.21 - 200-PO-1 Operable Unit	125.1	152.2	123.4	27.1	28.7	1,128.2	1,128.2	1,094.6	0.0	33.6	1,128.2
030.22 - 200-UP-1 Operable Unit	144.8	168.6	214.3	23.8	(45.7)	769.3	791.5	613.0	22.2	178.5	769.3
030.23 - 200-ZP-1 Operable Unit	3,447.5	2,567.9	2,345.8	(879.5)	222.1	13,508.7	12,571.5	11,437.7	(937.2)	1,133.8	13,508.7
030.24 - 200-PW-1 Operable Unit	183.6	81.2	81.3	(102.4)	(0.1)	1,461.9	1,381.5	1,201.0	(80.4)	180.5	1,461.9
030.30 - 300-FF-5 Operable Unit	113.9	180.6	133.3	66.7	47.3	1,498.5	1,505.6	1,954.8	7.1	(449.2)	1,498.5
030.31 - PBS RL-30 Reg Dec/Closure	361.9	270.3	355.5	(91.6)	(85.2)	5,085.2	4,880.3	4,351.7	(204.9)	528.6	5,085.2
030.32 - Deep Vadose Zone Treatability	334.0	304.3	418.8	(29.6)	(114.5)	2,822.1	2,757.3	2,199.3	(64.8)	558.0	2,822.1
030.90 - Usage Based Services Dist	363.1	363.1	(109.3)	0.0	472.4	2,924.0	2,924.0	3,028.8	0.0	(104.8)	2,924.0
030.99 - PBS RL-30 UBS, G-n-A, DD	1,440.7	1,440.7	1,464.7	0.0	(24.1)	16,601.0	16,601.0	15,680.5	0.0	920.5	16,601.0
TOTAL Base - Work Scope	16,450.7	14,407.4	13,748.0	(2,043.3)	659.4	121,599.4	119,615.5	113,753.5	(1,983.9)	5,862.0	121,599.4

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

RL-30	Current Period					Fiscal Year to Date					
Soil & water Rem-Grndwtr/Vadose	Budgeted Cost			Variance		Budgeted Cost			Variance		
CCL	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV	BAC
ARRA - Work Scope											
030.03 - Drilling	1,043.9	1,326.1	982.9	282.2	343.2	2,274.7	2,414.9	2,042.6	140.2	372.3	2,274.7
030.13 - 100-HR-3 Operable Unit	0.0	1,089.8	967.0	1,089.8	122.8	0.6	3,451.5	2,366.9	3,450.9	1,084.5	0.6
030.23 - 200-ZP-1 Operable Unit	147.3	771.7	602.6	624.4	169.1	422.9	1,035.2	807.0	612.3	228.2	422.9
030.31 - PBS RL-30 Reg Dec/Closure	569.8	767.8	300.9	198.0	466.9	1,218.2	1,339.6	577.4	121.4	762.2	1,218.2
030.98 - Ramp-up and Transition	1,064.6	680.4	532.9	(384.2)	147.5	3,133.9	2,641.7	2,819.3	(492.2)	(177.6)	3,133.9
030.99 - PBS RL-30 UBS, G-n-A, DD	218.2	218.2	530.0	0.0	(311.8)	1,485.2	1,485.2	1,081.9	0.0	403.3	1,485.2
TOTAL ARRA - Work Scope	3,043.7	4,853.9	3,916.3	1,810.2	937.6	8,535.4	12,368.1	9,695.3	3,832.6	2,672.8	8,535.4

RL-30 Schedule
Performance Variances and Explanations - Base

RL-30 - Soil & Water Rem-Groundwater/Vadose	Current Period BCWS	BCWP	ACWP	SV	CV	Fiscal Year/Contract to date BCWS	BCWP	ACWP	SV	CV	BAC
030.01 Integration & Assessments	1,817.4	1,697.5	1,654.1	(119.9)	43.5	13,544.4	13,353.4	12,290.2	(191.0)	**1,063.2**	13,544.4
FYTD CV: Budget was level loaded for technology initiatives that will take place in FY09. The horizontal drilling initiative contract award was delayed resulting in the FYTD cost underrun. This work has now been identified as carryover scope and will be complete in the November time frame. Other efficiencies were achieved in Systematic Planning Integration and Sample Management and Reporting which contributed to the FY underrun.											
030.03 - Drilling	909.8	579.6	569.5	**(330.1)**	10.1	7,368.9	7,124.3	6,986.2	(244.6)	138.1	7,368.9
Current Month SV: The primary contributors to the current month schedule variance are as follows: 1.) 100 HR-3 Deployment Verification for ZVI and 300 FF-5 Well Drilling were completed early (prior months) with the baseline reflecting work to be completed in August causing a current month negative schedule variance. 2.) Drilling for three ZP-1 wells started earlier than planned - FYTD drilling still ahead of schedule. 3.) Two wells in Deep Vadose Zone deferred to FY10 - to be replaced with 20 smaller diameter wells. BCR will be prepared.											
030.04 - Project Management	1,355.6	1,355.6	564.4	0.0	**791.2**	10,761.5	10,761.5	9,982.1	0.0	**779.4**	10,761.5
Current Month CV: The primary contributor to the positive cost variance is due to an overpayment of contract transition costs. FYTD CV: The primary contributor to the positive cost variance is due to an overpayment of contract transition costs.											
030.05 - Integrated Field Work	1,590.4	1,279.7	1,432.2	**(310.7)**	(152.5)	8,330.8	8,020.1	7,517.9	(310.7)	**502.2**	8,330.8
Current Month SV: The current month schedule variance is due to delay in receiving of the borehole logging truck which was planned to be delivered in September. Delivery of the truck is now planned for December 2009.											
030.06 - Ground Monitoring & Perf Assessments	1,703.0	2,147.5	2,567.4	**444.5**	**(419.8)**	13,758.1	14,204.1	15,118.8	446.0	**(914.7)**	13,758.1
Current Month SV: Significant performance from the subcontractor in the construction of Modutank #3. Subcontractor plans to complete the installation of the liner installation by the end of October. Current Month CV: Final yearend accrual for WSCF laboratory. WSCF sample analysis and NCO sampling support cost for the year was higher than planned in the baseline and is being reviewed. FYTD CV: WSCF sample analysis and NCO sampling support cost for the year was higher than planned in the baseline and is being reviewed for future potential impacts.											
030.11 - 100-KR-4 Operable Unit	1,271.8	839.0	719.6	**(432.8)**	119.3	11,531.0	11,475.2	10,770.9	(55.8)	704.3	11,531.0
Current month SV: KR-4 equipment/material installation Phase 2 well realignment is behind due to delays in well drilling and construction, however the behind schedule condition will be recovered in October and November as well construction concludes. Also delayed start on the Bioremediation Test Plan due to ongoing remedial process optimization evaluations. The Bioremediation Test Plan work will continue to be on hold until RL accepts the RPO recommendations and the effort is replanned.											

RL-30 Schedule
Performance Variances and Explanations - Base (Cont)

RL-30 - Soil & Water Rem-Groundwater/Vadose	Current Period BCWS	BCWP	ACWP	SV	CV	Fiscal Year/Contract to date BCWS	BCWP	ACWP	SV	CV	BAC
030.13 100-HR-3 Operable Unit	792.5	569.2	959.4	(223.3)	**(390.3)**	6,907.2	6,676.2	6,530.4	(231.0)	145.8	6,907.2
Current Month CV:											
Cost variance is due to setbacks in DX design due to change of resins which requires modification of ion Exchange (IX) trains. In addition three additional trains and a chemical treatment facility have been added to the process building, increasing the overall size of the project. Overall the project is still in an ahead of schedule position with no negative impact expected with the current design impacts.											
030.23 200-ZP-1 Operable Unit	3,447.5	2,567.9	2,345.8	**(879.5)**	222.1	13,508.7	12,571.5	11,437.7	**(937.2)**	**1,133.8**	13,508.7
Current month SV:											
The negative schedule variance reflects delays in bid package preparation for Balance of Plant (BOP) transfer building and equipment installation contracts, delays in completion of road crossing material procurement and construction , and completion of BOP mobilization. These delays are primarily due to changing well locations, which are impacting design completion and road construction start-up activities; delays in BOP and Process Facility 90% design due to changes in well locations and facility footprints sizes; and documentation for the O&M plan as a result of the delays in design input/calculations and a slower than planned ramp-up of personnel. No negative impact is expected from these delays as the scope is not on the critical path.											
FYTD SV:											
The negative schedule variance reflects delays in bid package preparation for Balance of Plant transfer building and equipment installation contracts, delays in completion of road crossing material procurement and construction , and completion of BOP mobilization. These delays are primarily due to changing well locations, which are impacting design completion and road construction start-up activities; delays in BOP and Process Facility 90% design due to changes in well locations and facility footprints sizes; and documentation for the O&M plan as a result of the delays in design input/calculations and a slower than planned ramp-up of personnel. No negative impact is expected from these delays as the scope is not on the critical path.											
FYTD CV:											
The positive cost variance is due to efficiencies in: the permanent hook-up of well EW-1 general operations and maintenance cost, completion of BOP 60% Design, preparation of the RD/RA Work Plan, completion of the Aquifer Test System and Aquifer Testing, preparation of the Performance Monitoring Plan, and F Listed Waste Evaluation. It is expected that these efficiencies will be needed to fund FY09 carryover activities in FY10.											
030.90 - Usage Based Services	363.1	363.1	(109.3)	0.0	**472.4**	2,924.0	2,924.0	3,028.8	0.0	(104.8)	2,924.0
Current Month CV:											
The positive cost variance for the month is the result of cost corrections that were processed that aligned facility services and crane and rigging costs into the appropriate areas within the CHPRC contract.											
030.99 PBS RL-30 UBS, G&A, DD	1,440.7	1,440.7	1,464.7	0.0	(24.1)	16,601.0	16,601.0	15,680.5	0.0	**920.5**	16,601.0
FYTD CV:											
The positive cost variance in the G&A accounts is due to company level and Other Hanford passbacks coupled with a lag in hiring overhead staff required to support the ARRA program increases.											

RL-30 Schedule
Performance Variances and Explanations - ARRA

RL-30 - Soil & Water Rem-Groundwater/Vadose	Current Period					Fiscal Year/Contract to date					BAC
	BCWS	BCWP	ACWP	SV	CV	BCWS	BCWP	ACWP	SV	CV	
030.03 Drilling	1,043.9	1,326.1	982.9	**282.2**	**343.2**	2,274.7	2,414.9	2,042.6	140.2	372.3	2,274.7
Current Month SV: The Primary contributor to the positive schedule variance within the HR-3 well drilling. Work planned in earlier months was completed in September. Additional hours were worked to eliminate behind schedule position. Current Month CV: The positive cost variance is due to efficiencies within the cost of mobilization of the NR-2 drilling subcontract. Forecasting continued positive cost variances due to the faster drilling method that is being utilized.											
030.13 100-HR-3 Operable Unit	0.0	1,089.8	967.0	**1,089.8**	122.8	0.6	3,451.5	2,366.9	**3,450.9**	**1,084.5**	0.6
Current Month SV: The Primary contributor to the positive schedule variance is the acceleration of procurement and construction activities for DX from FY 2010 into FY 2009. FYTD SV: The acceleration of DX procurement and construction activities from FY 2010 into FY 2009 is the primary driver of the positive schedule variance. FYTD CV: The positive cost variance is due to efficiencies experienced in DX construction activities. Specifically, the DX construction project has completed 19 road crossing and procured road crossing sleeves, automatic frequency drives, and approximately 200,000 feet of high density polyethylene pipe for less than planned. It is anticipated that this positive cost variance will continue.											
030.23 200-ZP-1 Operable Unit	147.3	771.7	602.6	**624.4**	169.1	422.9	1,035.2	807.0	612.3	228.2	422.9
Current Month SV: Sampling for the six new extraction wells is significantly ahead of schedule. Also the procurement of the piping and well pumps for the Balance of Plant construction as materials not impacted by design changes were ordered ahead of schedule.											
030.31 RL30 Regulatory Decision/Closure	569.8	767.8	300.9	198.0	**466.9**	1,218.2	1,339.6	577.4	121.4	**762.2**	1,218.2
Current Month CV: The positive cost variance is a result of lower cost for the development of the haul road for Multi Incremental Sampling. Only a portion of the road from Beloit Avenue and around the site perimeter required development. Also, the Outer Zone budget for the Gable Pond field investigation is level loaded and the effort for field permits and SOWs do not require as many resources and this positive cost variance should decrease as the work continues through December. FYTD CV: The positive cost variance is a result of lower cost for the development of the haul road for Multi Incremental Sampling. Only a portion of the road from Beloit Avenue and around the site perimeter required development. Also, the Outer Zone budget for the Gable Pond field investigation is level loaded and the effort for field permits and SOWs do not require as many resources; this positive cost variance should decrease as the work continues through December. In addition, efficiencies realized in the competitive subcontracting of drilling support and field performance of the burial ground sampling and analysis project, as well as, effective use of resources to prepare the 200-MG-1/2 EE/CAs, Action Memos, SAP, and RAWP documents has resulted in underruns in the Landfills/Misc Sites activities.											
030.98 Ramp-up and Transition (ARRA)	1,064.6	680.4	532.9	**(384.2)**	147.5	3,133.9	2,641.7	2,819.3	(492.2)	(177.6)	3,527.2
Current Month SV: The negative schedule variance is the result of continued changes in requirement for the function, size, and location of the facilities. These changes have delayed engineering work and therefore delayed issuing contracts to start the procurement and construction activities. A contract was issued on October 9, 2009 and work will now commence.											
030.99 RL30 UBS, G&A, DD	218.2	218.2	530.0	0.0	**(311.8)**	1,485.2	1,485.2	1,081.9	0.0	403.3	1,485.2
Current Month CV: Yearend adjustments impacted September in this overhead account resulting in a current month overrun. This account underran for FY09.											

RL-40 Deactivation & Decommissioning Project
FYTD Cost/Schedule Status
($ in millions)

Fiscal year-to-Date	FYTD BCWS	FYTD BCWP	FYTD ACWP	FYTD Schedule Variance $	FYTD Cost Variance $	BAC
RL-0040 BOS D&D Base Funding	30.9	30.9	26.7	0	4.2	30.9
RL-0040 BOS D&D ARRA Funding	53.0	50.5	38.9	-2.6	11.5	53.0
RL-0040 BOS D&D TOTAL	83.9	81.4	65.6	--2.6	15.8	84.0

Numbers are rounded to the nearest $0.1M

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

Subproject	FYTD Variance	Causal Factor
ARRA Funded Scope		
Significant Schedule Variance		
040.02.02.04 - Facilities - 200-E Ponds Zone	-0.6	Demolition of Buildings 212-N, P, & R delayed due to not having the availability of ERDF waste containers in a timely manner.
040.02.18.02 - U Canyon	-0.7	Delays in hiring of personnel for the U Canyon Project has caused the mobilization and ramp-up activities to fall behind.
040.02.29.03.03 – O-Zone	-1.0	Preparations for shipping contaminated soils to ERDF required more time than anticipated.
Significant Cost Variance		
40.01.26.01 - Misc Facilities Hazard Reduction	1.5	Delays in hiring for WIF and Cold & Dark, along with efficiencies gained by integration with west area seven industrial buildings
040.02.02.04 - Facilities - 200-E Ponds Zone	1.3	Efficiencies in demolition and sampling activities, particularly at 212N, P and R Project, 200 C-W 3 site.
040.02.18.02 - Canyon - U Plant Zone	2.9	Slow ramp up of staffing in the U Canyon Project has caused the delays in mobilization and ramp-up activities.
040.02.18.04 - U Ancillary Demolition	-2.0	U Ancillary material and equipment costs have far exceed the estimated budget. Due to higher than planned asbestos in the ancillary buildings additional respiratory/masks have been required. Additional insulators were need to recover schedule as well as overtime. Also, a $5K cost correction was completed in September to move additional costs from Base to ARRA.
040.02.29.03 - O Zone Waste Sites	0.8	Slow ramp up of staff and subcontractors for the Outer Zone waste sites.
040.99.01 - PBS RL-40 UBS, G-n-A, and Direct Distributables	7.0	Related to G&A and direct distributable allocation.

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

Subproject	FYTD Variance	Causal Factor
Base Funded Scope		
Significant Schedule Variance		
040.02.17.04 - 200 West Area 7 Industrial Buildings	-0.0	Variance is within reporting thresholds
040.02.18.02 - Canyon - U Plant Zone	-0.0	Variance is within reporting thresholds
Significant Cost Variance		
40.02.17.04 - 200 West Area 7 Industrial Buildings	0.7	Industrial 7 Project costing less than planned due to utilizing existing site equipment and materials.
040.02.18.04 - U Ancillary Demolition	0.5	Cost correction from the U Ancillary Base to ARRA for costs received after April 2009.
040.03.01.01 - Min-Safe for Facilities & Waste Sites	0.5	Efficiencies in staff utilization
040.90.02.01 - Assessments, UBS Services to PRC	1.8	Cost correction from the Base 40.90s Fleet Account to the ARRA 40.90s accounts for cost received after April 2009.
040.99.01 - PBS RL-40 UBS, G-n-A, and Direct Distributables	.7	G&A

Planned Activities
Next 6 Months

U-Zone Remediation

- **U-Ancillary Facilities**
  - Demolition work underway with completion expected in Spring 2010.
  - Complete demolition of 14 tanks.
  - Continue with demolition activities for 224-U, 224-UA, and 203-UX.

200 North Remediation

- **212-N, -P, and -R Facilities/Structures**
  - Non-Time Critical Removal Action demolition complete.
- **200-CW-3 Waste Sites**
  - Completion of reclassification of six of nine waste sites to No Action.
  - Commence remediation of the remaining three waste sites designated as RTD.

Other Facilities D&D

- Conclude or extend Central Plateau Facility TPA milestone negotiations.

Planned Activities
Next 6 Months

100-NR-2

- Revise the 100-N Decision Unit RI/FS Work Plan Addendum for Draft A submittal to DOE.
- Perform Pilot-Scale Jet Injection Treatability Test.
- Continue Total Petroleum Hydrocarbons investigation.
- Continue Phytoremediation studies.
- Continue Apatite Barrier performance monitoring.

100-HR-3

- Issue Rev. 0 RI/FS Work Plan and Addendum 1, including SAP.
- Complete Remedial Process Optimization Technical Memoranda for D/H Areas.
- Initiate drilling of RPO wells: 70 new wells in D/H Areas.
- Initiate drilling of RI/FS wells: 15 new wells, 12 new boreholes, 5 test pits in D/H Areas.
- Complete design of new 600 gpm 100-D Area Expansion P&T facility.
- Complete design of new HX P&T facility.
- Complete construction of road crossings, buildings, piping and electrical for DX expansion projects.

100-FR-3

- Revise Draft A of the 100-F/IU-2/IU-6 Decision Unit RI/FS Work Plan Addendum and associated SAP for final Rev. 0 issuance.

Planned Activities
Next 6 Months

100-BC-5

- Revise Draft A of the 100-BC Decision Unit RI/FS Work Plan Addendum and associated SAP for the final Rev. 0 issuance..
- Continue installation of four advance RI/FS wells.

100-KR-4

- Complete KX/KR4 Phase 2 realignment construction and acceptance testing.
- Complete construction of five new wells to support Phase 2 realignment.
- Issue Rev. 0 K Decision Unit RI/FS Work Plan Addendum, initiate risk assessment sampling, and initiate RI well drilling campaign and aquifer tube installation.
- Issue Rev. 2 KW RDR/RAWP for expansion of KW to 200 gpm treatment capacity.
- Submit supplemental Interim Action Monitoring Plan specific to the 100-KR-4 operable unit interim action for RL and EPA review and approval.
- Complete KR4 remedial process optimization technical memorandum.
- Revise path forward to amend existing 100 Area interim action RODs for remediation of hexavalent chromium in the vadose zone and groundwater, based on informally provided regulator comments, and the 100-HR-3 and 100-KR-4 groundwater operable unit remedial process optimization recommendations.
- Prepare and submit revised CERCLA evaluative document(s) to provide for use of in-situ reduction in the 100 Areas and initiate ROD amendments as appropriate.

Planned Activities
Next 6 Months

200-BP-5

- Complete the 200-BP-5 Conceptual Transport Model Report for the WMA B/BX/BY and surrounding area.
- Start drilling of 3 new characterization wells (K, L, and M). K well drilling is scheduled to begin in October 2009.
- Initiate B/BX/BY Treatability Test Plan.
- Initiate the Remedial Investigation (RI) Report.

200-PO-1

- Complete sampling of supplemental characterization wells.
- Complete the Decisional Draft RI Report.
- Complete the 200-PO-1 Geophysical Summary Report documenting seismic and airborne EM studies performed in FY08.

200-UP-1

- Following receipt of regulator comments, finalize Revision 3 to the 200-UP-1 RD/RA Work Plan and initiate design activities for an interim action pump and treat system for the Tc-99 plumes at WMA S-SX.
- Continue preparation of the combined RI/FS Report. Initiate revision of the 200-ZP-1 Proposed Plan to add 200-UP-1.
- Initiate the annual pump-and-treat performance report for FY09.
- Continued operation of the interim pump-and-treat system in the vicinity of U Plant.

Planned Activities
Next 6 Months

200-ZP-1

- Continue operation of the interim pump-and-treat system.
- Continue collecting and analyzing depth-discrete groundwater samples during the drilling of the next set of groundwater extraction/injection wells.
- Complete 60% design of the final 200-West Area Groundwater Treatment Facility.
- Procure materials to tie new extraction well EW-1 (C7017) to the interim pump-and-treat system.
- Replace heater/chiller unit in the interim pump-and-treat system.
- Continue working on RCRA/CERCLA/AEA Integrated Monitoring Plan.

200-UW-1

- Complete the SAPs for the 216-U-8 and 216-U-12 cribs.
- Publish the Remedial Action Goals document.
- Provide the Draft Proposed Plan to DOE.

200-BC-1

- Respond to comments on the treatability test report, if necessary.

200-MG-1/2

- Revised Action Memorandum to be completed (regulator comments to be incorporated).

Planned Activities
Next 6 Months

200-SW-1
- Submit closure plans to Ecology for the Nonradioactive Dangerous Waste Landfill (NRDWL) and the Solid Waste Landfill (SWL).

200-SW-2
- Complete geophysical investigations and organic vapor sampling, and issue field investigation summary reports.

200-MW-1
- Issue the 200-MW-1 combined RI/FS report to DOE for submittal to EPA.

200-PW-1,-PW-3, -PW-6
- Prepare Rev. 0 FS, incorporating regulator comments received on the Draft B FS.
- Prepare and submit the Draft A PP for the Z Area Liquid Discharge Site decision unit, which combines 200-CW-5 and 200-PW-1/3/6.
- Shutdown two active soil vapor extraction systems for the winter and continue operating one passive system.

200-CW-5
- Submit the Rev. 0 FS, incorporating regulator comments received on the Draft B FS and PP.
- Prepare and submit the Draft A PP for the Z Area Liquid Discharge Site decision unit, which combines 200-CW-5 and 200-PW-1/3/6.

Planned Activities
Next 6 Months

200-UR-1
- Initiate activities to characterize the Gable Mountain Pond pipeline (200-E-127).

200-CW-1/Outer Area
- Initiate information exchange/dialog with regulators on RI/FS technical basis (e.g. COPCs, exposure scenarios, baseline risk assessment approach) in support of the development of the FS and PP.
- Initiate activities to collect samples in accordance with the sampling and analysis plan to characterize the ponds.

200-Deep Vadose Treatability Test Plan
- Submit the test report on Uranium Sequestration.

Issues

- Delay in approval of the Addendum 1 SAP required preparation of a mini-SAP to support low river stage sampling in October.