

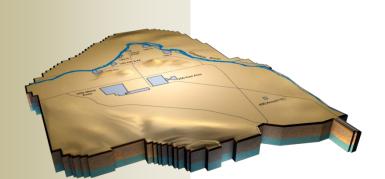
Appendix A-1

Contract Performance Reports ARRA

Format 1 - Work Breakdown Structure

Format 3 - Baseline

Format 5 - Explanation and Problem Analysis



October 2010 DOE/RL-2010-126-10, Rev. 0 Contract DE-AC06-08RL14788 Deliverable C.3.1.3.1 - 1

CONTRACT PERFORMANCE REPORT CONTRACT PERFORMANCE REPORT DOLLARS IN Thousands of \$ OPEN # PROVED CONTRACT PERFORMANCE REPORT DOLLARS IN Thousands of \$ OPEN # PROVED CONTRACT OR 3. PROME REPROVED ODLLARS IN Thousands of \$ OPEN # PROVED CONTRACT OR 3. PROME REPROVED ODLLARS IN Thousands of \$ OPEN # OPEN PENDO A NAME Contract DELARS IN Thousands of \$ OPEN # OPEN PENDO DOLLARS IN Thousands of \$ OPEN # OPEN PENDO DOLLARS IN Thousands of \$ OPEN # OPEN PENDO DOLLARS IN Thousands of \$ OPEN # OPEN PENDO OPEN # OPEN PENDO Contract Compare PENDO Contract Manager CONTRACT Contract Land Pendot PENDO Contract Manager Contract Manager CONTRACT DATA Contract Manage								CLASSI	FICATION (When	Filled in)							
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g. Total 33,636 37,458 40,069 3,821 (2,612) 761,081 731,149 685,711 (29,932) 45,437 0 0 1,303,533					3,821	(2,612)	/61,081	/31,149	685,711		45,437					1,2/6,624	0
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FORMAT 3, DD FORM 2734/3, BASELINE

			CON	TRACT PERFORMANCE REPO	RT									Form Approv	ved	
FORMAT 3 - BASELINE								DOLLARS IN THOUSANDS						OMB No. 0704-0188		
1. CONTRACTOR			2. CONTRACT					3. PROGRAM					4. REPORT PERIOD			
CH2M HILL Plateau Remediaction Company			a. NAME:	Plateau Remediation Contract				a. NAME:	Plateau Remediation Contrac	t			a. FROM: 2010/10/01			
b. LOCATION:			b. NUMBER:	RL14788				b. PHASE					b. TO: 2010/10/24			
Richland, WA			c. TYPE:	CPAF				c. EVMS ACCEPTANCE								
			d. SHARE RATIO:					NO	YES X	9/18/2009	9					
5. CONTRACT DATA																
a. ORIGINAL NEGOTIATED COST		b. NEGOTI	ATED CONTRACT	c. CURRENT NEGOTI	ATED	d. ESTIM	ATED COST	e. CONTI	RACT BUDGET	f. T	OTAL ALLOCA	TED		g. DIFFEREN	ICE	
		C	CHANGE	COST (A + B)		AUTH UNP	RICED WORK	BAS	E (C + D)		BUDGET			(E - F)		
0		\$1	1,305,191	\$1,305,191		(\$	1,657)	\$1	,303,533		\$1,303,533			\$0		
h. CONTRACT START DATE			i. DEFINITIZ	ATION DATE	j. PL	ANNED COM	PL DATE		k. CONT COMPLETION DAT	E			I. EST COMPLETION DATE			
4/9/2009					9/30/2011							9/30/2011				
6. PERFORMANCE DATA						BUDGETE	D COST FOR V	VORK SCHEDULED (NON	- CUMULATIVE)							
	BCWS	BCWS	S SIX MONTH FORECAST													
ITEM	CUM	FOR														
	то	REPORT	+1	+2	+3	+4	+5	6+	FY09	FY10	FY11	FY12	OUT	UNDISTRIB	TOTAL	
	DATE	PERIOD	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11					YEARS	BUDGET	BUDGET	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
a. PM BASELINE																
(BEGIN OF PERIOD)	762,054	34,610	44,443	44,555	43,647	47,135	59,268	44,808	161,538	565,906	560,201	0	0	0	1,287,645	
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																
												_	_			
AWA-PRC-11-006R0 Further Work Scope Alignment to Contract Modification 095 BCR-030-10-020R0 Background Calculations, RL Change Order #73									0	0	0	0	0		0	
BCR-040-10-005R0 Disposition of B Plant and REDOX Water Towers									0	0	0	0	0		0	
BCR-PRC-10-059R0 Plutonium Reclamation Facility (PRF) Pencil Tank Re-plan									0	(1,771)	0	0	0		(1,771)	
BCR-PRC-11-003R0 Incorporate Revised Labor, Non-Labor and Escalation Rates									Ö	(9,062)	0	0	0		(9,062)	
BCR-R40-10-012R0 Delete Duplicate RTD of Waste Site UPR-200-W-34, RL-40									0	(188)	0	0	0		(188)	
BCRA-000-11-001R0 FOC & Sub-Project Group Changes to Indirect Accounts									0	0	0	0	0		0	
BCRA-011-11-001R0 Change in EVMS Methodology BCRA-PRC-11-004R0 FOC and Other Administrative Changes. October 2010									0	0	0	0	0		0	
BORA-FING-THOUGHOT OC and Other Administrative Changes, October 2010									0	U	0	U	U		v	
c. PM BASELINE (END OF PERIOD)	761,081		43,359	43,620	42,751	46,071	57,741	43,961	161,538	554,885	560,201	0	0	0	1,276,624	
7. MANAGEMENT RESERVE															26,909	
8. TOTAL															1,303,533	

		(CLASSIFICA	TION (Whe	n Filled In)				
		NTRACT PE 5 - EXPLANAT						FORM APF OMB No. 0	-
1. CONTRACTOR		2. CONTRACT			3. PROGRAM			4. REPORT	PERIOD
a. NAME CH2M HILL Plateau Remediatio	n Company	a. NAME Plateau Remedia	tion Contract		a. NAME Plateau Remed	liation Contract			YYY/MM/DD) /10/01
b. LOCATION (Ad Code)	dress and ZIP	b. NUMBER RL			b. PHASE Arra		b. TO (YYYY/MM/DD)		
Richland, WA 9935	4	c. TYPE CPAF	d. SHARE RAT	10	c. EVMS ACC NO	EPTANCE 200 YES X	2010/10/24		
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	СРІ
Current:	33,637	37,458	40,069	3,821	11.4%	(2,612)	-7.0%	1.11	0.93
Cumulative:	761,081	731,149	685,711	(29,932)	3.9%	45,437	6.2%	0.96	1.07
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	1,276,625	1,276,625	0	0.0%	0.9	0.9			

Explanation of Variance/Description of Problem:

Current Period Schedule Variance: The favorable schedule variance occurs in the Direct Projects, specifically RL11.R1 (+\$2.0M), RL-13C.R1.2 (+\$1.0M), RL-30.R1.2 (+\$1.0M) and RL-40.R1.2 (+\$1.0M), which are partially offset by the unfavorable schedule variances in RL-13C.R1.1 (-\$.8M), RL-30.R1.1 (-\$.1M), RL-40 R1.1 (-\$.1M) and RL-41.R1.1 (-\$.2M). For RL-11.R1 the primary favorable variance occurs from efficiencies realized for mechanical isolation field work (1 day versus 10 day schedule) for D&D of 234-5Z/242-Z and an administrative one-time adjustment of Project Management activities to level of effort. For RL-13C.R1.2 TRU Characterization and Shipping primary favorable variance occurs from the execution of the CCP recovery plan resulting in recovery of prior period performance and TRU Retrieval implementing an alternative path for long-term box storage. In addition, prior period Standard Waste Box procurements were recovered. For RL-30.R1.2, the primary favorable variance results from recovery of performance on the construction complex. For RL-40.R1.2 the primary favorable variance occurs from use of the short-term stockpile approach for Zone A in the BC Control Area. For RL-13C.R1.1 the primary unfavorable variance occurs in Mixed Low Level Waste due to weather conditions, brief suspension in shipping associated with recovery actions for heavy equipment moves and slow startup of nondestructive assay vendor at Perma-Fix Northwest. No significant monthly schedule variances in RL-30.R1.1, RL-40.R1.1 and RL-41.R1.1.

Current Period Cost Variance: The favorable cost variance occurs in the Direct projects, specifically in: RL-11.R1 (+\$1.9M) the primary favorable variance occurs from having a dedicated D&D Team charging a steady month - to - month rate instead of swings in staffing levels for D&D of 234-5Z/242-Z and an administrative one-time adjustment of Project Management activities to level of effort; RL-13C.R1.2 (+\$1.0M) schedule recovery in TRU Characterization and Shipping without increased cost; RL-40.R1.2 (+\$0.7M) the primary favorable variance occurs from efficiencies in the BC Control Area. For the Direct Projects, the primary unfavorable cost variances occur in: RL-30.R1.1 (-\$2.4M) primarily due to administrative monthly cost accrual adjustments for ZP-1 Modifications and Expansions long lead equipment, RL-30.R1.2 (-\$1.9M) primarily due to KR-4 Well drilling and HR-3 Drilling standby cost after sampling stop work; RL-41.R1.1 (-\$2.0M) primarily due to Earn Value Method of 50/50 being used for the 115KE Gas Recirculation Building resulting where the tanks were moved but BCWP can't be taken until the below grade demolition is completed, BCWP already taken on the 1706KER site cleanup but additional costs were incurred, 100K Area Utilities Reroute labor and subcontract cost for power and water projects are continuing into FY 2011 with BCWS in FY 2010, and ERDF waste October 2010 charges are still using the FY 2010 rate resulting in higher costs than budgeted.

Cumulative Schedule Variance: The unfavorable cumulative schedule variance, (-\$29.9M), occurs in the Direct Projects. For RL-30R1.1 (-\$6.1M) long-lead procurements are behind schedule due to design release delays. For RL-11.R1 (-\$9.2M) delays due to safety stand-down and stop works, breathing air issues, ultra conservative application of the Surface Contaminated Object (SCO) process, and unplanned process vacuum mockup work to support application of new glove bag technique. For RL-30.R1.1 (-\$6.1M) delayed procurements for ZP-1 due to late design delivery; For RL-30.R1.2 (-\$5.8M) delays in ramp-up/construction activities for the Construction Complex due to inability to obtain required levels of staffing, limited engineering resources due to competing priorities, and the re-work that was required on the S&GW 1 foundation due to incorrect placement. For 13C.R1.1, 13C.R1.2, RL-40 R1.1, RL-40.R1.2 and RL-41.R1.1 variance is within reporting thresholds.

Cumulative Cost Variance: The favorable cumulative cost variance (+\$45.4M) occurs in all Direct Projects supporting ARRA work scope. For the specifics on the variances in Direct Projects see Section A, Sections C through F of this Monthly Report.

FORMAT 5, DD FORM 2734/5, EXPLANATION AND PROBLEM ANALYSIS

Impact:

Current Period Schedule: For RL-40.R1.1, RL-40.R1.2 and RL-41.R1.1 the current period schedule impacts are the same as the CTD schedule impacts (see below). For RL-11R.1 a 3-month impact to the completion of demolition ready (9/30/12) is forecast due primarily to the recent safety stand-down and two stop works associated with beryllium control areas, breathing air issues, and unplanned process vacuum mock-up work. A recovery plan has been developed. For RL-13C.R1.2 continued delays are anticipated in TRU Retrieval and Next Generation TRU Retrieval, and delay in the full implementation of the CCP TRU Certification program, in the near term. However, recovery plans are being implemented for the CH TRU Retrieval issues associated with deteriorated containers. For RL-30.R1.1 Drilling, 100 DX P&T and 200W P&T had unfavorable schedule performance for the current period but favorable performance contract to date. For RL-30.R1.2 the favorable impact occurs in well drilling activities, which are the result of implementing BCR-PRC-10-054R0 and the change of execution strategy.

Current Period Cost: For RL-11.R1 labor costs will increase due to overtime utilization to recover schedule on D&D of PRF, 234-5Z Active RMA/RMC lines and the labs due primarily to the recent safety stand-down and two stop works associated with beryllium control areas and increased safety incidents. For RL-40.R1.2, RL-40.R1.1 and RL-13CR1.1 there is no significant cost impact for the current period. For RL-30.R1.1 and RL-30.R1.2, the unfavorable cost variances on the 100DX P&T, the 200W P&T and the capital EPC Construction/GPP S&GW will be monitored. For RL-41.R1.1 the unfavorable cost variances on the 100K Reactor Power/River Water isolation work and the KW Basin Deactivation vacuuming work will be monitored.

CTD Schedule: For RL-41.R1.1 100K River Water and Reactor Power Isolation delays ultimately delay structure demolition and waste site remediation. Additional soil contamination (realized risk) is beginning to impact the schedule. For RL-13C.R1.2 continued delays in the near term are anticipated in next generation CH TRU Retrieval, however, recovery plans are being implemented for the CH TRU Retrieval issues associated with deteriorated containers. For RL-11R.1 a 3-month impact to the completion of demolition ready (9/30/12) is forecast due primarily to the recent safety stand-down and two stop works associated with beryllium control areas, breathing air issues, and unplanned process vacuum mock-up work. A recovery plan has been developed. For RL-30.R1.2 the Construction Complex is four months behind schedule. For RL-40.R1.1 D&D of U-plant Cell 30 is impacted by holdup material being greater than anticipated (realized risk) causing project re-evaluation and no progress being made; insulator shortage for asbestos abatement is slowing down completion; more soil contamination than expected (realized risk) and extensive regulatory reviews (realized risk) are delaying waste site remediation completion. For RL-40.R1.2 remediation of O-Zone waste there is no impact from the current positive schedule variance.

CTD Cost: For RL-40.R1.1 and RL-41.R1.1 there is overall positive cost impact due to project efficiencies. However, negative cost variances are increasing for waste site remediation (RL-40.R1.2) due to additional soil contamination removal (realized risk). There is no impact to cost for all other subprojects, except RL-13C.R1.2, which has increased costs due to CH TRU retrieval issues associated with deteriorated containers and upset conditions. For RL-30.R1.1 favorable variance will continue on the 100DX P&T and the 200W P&T variance will be monitored. For RL-30.R1.2 the Construction Complex costs are well below weighted performance taken to date. Efficiencies in well drilling activities (NR-2 & HR-3) as well as multi-incremental sampling, borehole drilling, and landfill characterization activities have resulted in additional favorable cost variances. For RL-11.R1 a favorable variance at completion is still forecasted.

Corrective Action:

Current Period Schedule: For RL-11.R1 overtime is being used to recover schedule on D&D activities along with specific recovery actions in many D&D and support areas, such as enhanced SCO process, new routes for direct loading of large equipment, Aspigel for chemical decontamination, transition to PAPR⁽⁵⁾ vs supplied fresh air in 242Z, in-situ size reduction in labs, et cetera. For RL-40.R1.1, RL-40.R1.2 and RL-41.R1.1 the current period schedule corrective actions are the same as CTD schedule corrective actions (see below). For RL-40.R1.2 O-Zone RTD work will use overtime on field excavations as ERDF opens longer hours and assess methods to streamline documentation. For RL-30.R1.1 no corrective actions required. For RL-30.R1.2 No corrective actions are required for the current month positive schedule variance in well drilling activities as it is primarily related to implementation of BCR-PRC-10-054R0 "Changes in Execution Strategy." For RL-13C.R1.1 MLLW, A recovery plan was implemented to align the timing and volumes of available feed with the TRU Retrieval Recovery plan (retrieval volumes and expected M/LLW fall out percentages) and additional feed from Large/RH repackaging. A BCR to reflect this revised execution strategy was implemented in September 2010.

Current Period Cost: For RL-11.R1 a reduction to the balance of waste volumes/waste disposal costs is anticipated. This reduction will more than offset the increased costs for overtime to recovery schedule. For RL-30.R1.1 the 200W P&T cost variance is being evaluated and monitored. For RL-30.R1.2 no corrective actions required. For RL-41.R1.1 current period cost corrective actions are the same as the CTD cost corrective actions (see below). For RL-40.R1.1 U-Plant current cost variances can be covered by efficiencies in other D&D areas. For RL-40.R1.2 O-Zone Waste Site there is no required corrective action for the current period cost variance.

CTD Schedule: For RL-41.R1.1 change control, and REAs, will be used to address additional soil contamination required not originally priced in the contract. Schedule recovery actions are being evaluated to recover the 100K River Water and Reactor Power Isolation schedule. D&D structure demolition and waste site remediation activities are being accelerated where they can to offset where other demolition and remediation activities are being used to recover schedule on D&D activities along with specific recovery actions in many D&D and support areas, such as enhanced SCO process, new routes for direct loading of large equipment, Aspigel for chemical decontamination, transition to PAPR⁽⁵⁾ vs supplied fresh air in 242Z, in-situ size reduction in labs, et cetera. For RL-40.R1.2 O-Zone RTD work there is no required corrective action for the current period positive schedule variance. Also, insulators from other projects are being re-assigned to help recover schedule in D&D. For RL-30.R1.1 no corrective action required. For RL30.R1.2 efforts continue to work the contractors on the Construction Complex to improve performance and schedule.

CTD Cost: For RL-40.R1.2 no corrective actions are required. For RL-13C.R1.1 the favorable cost variance is expected to continue. For RL-30.R1.1 the 200W P&T cost variance is being evaluated and monitored. For RL-30.R1.2 Construction Complex costs are forecast to be slightly under spent, no actions required. Efficiencies in well drilling activities (NR-2 & HR-3) as well as multi-incremental sampling, borehole drilling, and landfill characterization activities will remain requiring no corrective action at this time. For RL-11.R1 a reduction to the balance of waste volumes/waste disposal costs is anticipated in July 2010. This reduction will more than offset the increased costs for overtime to recovery schedule. For RL-13C.R1.2, RL-40.R1.1 and RL-41.R1.1 no corrective actions are required at this time.

FORMAT 5, DD FORM 2734/5, EXPLANATION AND PROBLEM ANALYSIS

Monthly Summary: (to include technical causes of VARs, Impacts, and Corrective Action(s):

Overall, the current period schedule variances are due essentially to ahead of schedule performance in most ARRA work scope with corresponding favorable cost variances, with the exception of RL-30-R1.1 and RL-41.R1.1 (-\$2.4M & -\$2.1M cost variance, respectively). For RL-30-R1.1 the primary unfavorable cost occurs in the ZP-1 Pump & Treat system long lead procurement; for RL-41.R1.1 the primary unfavorable cost occurs in the ZP-1 Pump & Treat system long lead procurement; for RL-41.R1.1 the primary unfavorable cost occurs in the 100K Reactor Power and River Water Isolation work. Schedule recovery actions are being evaluated to recover the 100K River Water and Reactor Power Isolation schedule. D&D structure demolition and waste site remediation activities are being accelerated where they can to offset where other demolition and remediation activities are delayed. For RL-40.R1.2 overall good performance for both cost and schedule continue. For RL13C.R1.2 recovery plans are being implemented for the CH TRU Retrieval issues associated with deteriorated containers. For RL-30.R1.1, the primary unfavorable cumulative schedule performance occurs in the capital ZP-1 Pump & Treat long lead procurement and balance of plant construction. For RL-30.R1.2 recovery actions continue on the GPP S&GW/EPC construction complex, while favorable performance on the 100-NR-2 Drill Well Barrier continues. The favorable cumulative to date cost variances, except in RL-30.R1.1, are expected to continue. For RL-11.R1 a 3-month impact to the completion of demolition ready (9/30/12) is forecast due primarily to the recent safety stand-down and two stop works associated with beryllium control areas and increased safety incidents. A recovery plan has been developed and completion of slab-on-grade by 9/30/13 is still anticipated.

Contractually Required Cost, Schedule, EAC variance, Management Reserve Use

Major Difference in EAC: As anticipated last month, there is a *reduction* in the ARRA EAC this month over last month, specifically -\$11M as anticipated. This change occurs primarily from two (2) actions: (1) RL concurrence to incorporate revised labor, solid waste and escalation rates into the PRC Baseline based RL FY 2012 budget guidance (*reduction* of \$9.1M) per change request BCR-PRC-11-003R0; and, (2) CHPRC estimate revision on the remaining work associated with D&D of the Plutonium Reclamation Facility (PRF) to reflect the change from remote to manual size reduction of pencil tank assemblies (*reduction* of \$1.8M) per change request BCR-PRC-10-059R0. No management reserve is used in October 2010. A slight *reduction* to the ARRA EAC of ~\$0.2M is anticipated next month depending on approval of identified changes.

Variance in Estimated Contract Budget Base at Completion: There is a change in the estimated contract budget base at completion over last month, specifically a *reduction* of -\$11M. As noted above, this change occurs primarily from two (2): (1) RL concurrence to incorporate revised labor, solid waste and escalation rates into the PRC Baseline based RL FY 2012 budget guidance (*reduction* of \$9.1M) per change request BCR-PRC-11-003R0; and, (2) CHPRC estimate revision on the remaining work associated with D&D of the Plutonium Reclamation Facility (PRF) to reflect the change from remote to manual size reduction of pencil tank assemblies (*reduction* of \$1.8M) per change request BCR-PRC-10-059R0. Contract modification 125, issued in September 2010, definitized all identified ARRA work scope into the contract and increased the contract budget base for ARRA work scope \$109.4M above the \$386.5M added in contract modification 108 (i.e., \$1,305.1M above the original June 2008 contract budget base). However, the current PRC Baseline now includes \$1.7M <u>less</u> ARRA work scope, including management reserve, than documented in contract modification 125. No management reserve is used in October 2010. A further *reduction* to the ARRA EAC of ~\$0.2M is anticipated next month depending on approval of identified changes.

Use of Management Reserve: No management reserve is used in October 2010.

Best/Worst/Most Likely Estimate: Like last month, there is no difference in the Best, Worst and Most Likely estimates at completion – all are equal. However, there is a change in the estimate values for October 2010 over September 2010 due to the implementation of change requests as discussed above in Major Difference in EAC.

Prepared by:	Date:	Approved by:	Date:
Schilling, Bert	11/30/10		

(1) = Trench Face Process System; (2) = Trench Face Retrieval & Characterization System; (3) = Remove, Treat and Dispose; (4) = Confirmatory Sampling/No Action; (5) Project Specific Distributables Rewards & Recognition Program; (6) Defense Contract Audit Agency