

Appendix A-1

Contract Performance Reports

ARRA

Format 1 - Work Breakdown Structure

Format 3 - Baseline

Format 5 - Explanation and Problem Analysis



December 2011
CHPRC-2011-12, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

FORMAT 1, DD FORM 2734/1, WORK BREAKDOWN STRUCTURE

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE															CLASSIFICATION (When Filled In)			FORM APPROVED OMB No. 0704-0188										
1. CONTRACTOR															2. CONTRACT			3. PROGRAM			4. REPORT PERIOD							
a. NAME CH2M HILL Plateau Remediation Company					b. LOCATION (Address and ZIP Code) Richland, WA					a. NAME Plateau Remediation Contract					b. PHASE RL14788					c. EVMS ACCEPTANCE NO YES X 9/18/2009			a. FROM (YYYYMMDD) 2011 / 11 / 21			b. TO (YYYYMMDD) 2011 / 12 / 25		
5. CONTRACT DATA															7. AUTHORIZED CONTRACTOR REPRESENTATIVE			8. PERFORMANCE DATA										
a. QUANTITY		b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING		i. DATE OF OTB/OTS (YYYYMMDD)			a. NAME (Last, First, Middle Initial) Bang, M.V.			b. TITLE Prime Contract Manager			c. SIGNATURE			d. DATE SIGNED (YYYYMMDD) 2011/12/25					
		1,307,177	0		70,765	1,377,942	1,380,932	1,377,942	1,380,932																			
6. ESTIMATED COST AT COMPLETION		MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)																						
		1,310,167																										
a. BEST CASE		1,310,167																										
b. WORST CASE		1,331,688																										
c. MOST LIKELY		1,310,167		1,307,177		(2,990)																						
8. PERFORMANCE DATA															REPROGRAMMING ADJUSTMENTS			AT COMPLETION										
WBS[1]																												
ITEM (1)	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)												
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)																		
RL-0011.R1 PFP D&D	7,610	6,087	7,322	(1,523)	(1,235)	279,085	276,344	284,512	(2,741)	(8,168)	0	0	0	293,726	298,916	(5,190)												
RL-0013C.R1.1 MLLW Treatment	422	40	237	(381)	(196)	47,707	47,699	42,685	(8)	5,013	0	0	0	47,707	42,749	4,958												
RL-0013C.R1.2 TRU Waste	680	1,122	148	443	974	256,689	256,631	254,858	(58)	1,773	0	0	0	256,689	254,859	1,830												
RL-0030.R1.1 GW Capital Asset	0	0	178	0	(178)	175,008	175,008	174,589	0	419	0	0	0	175,008	174,962	46												
RL-0030.R1.2 GW Operations	0	0	55	0	(55)	92,146	92,146	89,316	(0)	2,830	0	0	0	92,146	89,316	2,830												
RL-0040.R1.1 U Plant/Other D&D	927	1,506	583	578	922	199,265	198,955	191,784	(310)	7,171	0	0	0	199,391	192,509	6,882												
RL-0040.R1.2 Outer Zone D&D	0	0	3	0	(3)	84,279	84,279	71,660	0	12,619	0	0	0	87,273	75,081	12,192												
RL-0041.R1.1 100 K Area Remediation	1,527	992	1,513	(534)	(521)	177,112	177,344	177,961	232	(617)	0	0	0	179,749	181,776	(2,027)												
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
d. Undist. Budget	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
e. Sub Total	11,166	9,748	10,039	(1,418)	(291)	1,311,290	1,308,405	1,287,366	(2,885)	21,039	0	0	0	1,331,688	1,310,167	21,521												
f. Management Resrv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
g. Total	11,166	9,748	10,039	(1,418)	(291)	1,311,290	1,308,405	1,287,366	(2,885)	21,039	0	0	0	1,331,688														
9. Reconciliation to CBB																												
a. Variance Adjustment																												
b. Total Contract Variance																												
										0	0																	
										(2,885)	21,039																	
													1,331,688	1,310,167	21,521													

FORMAT 3, DD FORM 2734/3, BASELINE

CONTRACT PERFORMANCE REPORT													Form Approved OMB No. 0704-0188			
December FY2012 - ARRA											FORMAT 3 - BASELINE		DOLLARS IN THOUSANDS		4. REPORT PERIOD	
1. CONTRACTOR CH2M HILL Plateau Remediation Company Richland, WA				2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:				3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009					a. FROM: 2011/11/21 b. TO: 2011/12/25			
5. CONTRACT DATA																
a. ORIGINAL NEGOTIATED COST 0				b. NEGOTIATED CONTRACT CHANGE \$1,305,191		c. CURRENT NEGOTIATED COST (A + B) \$1,307,177		d. ESTIMATED COST AUTH UNPRICED WORK \$0		e. CONTRACT BUDGET BASE (C + D) \$1,307,177		f. TOTAL ALLOCATED BUDGET \$1,331,688		g. DIFFERENCE (E - F) (\$24,511)		
h. CONTRACT START DATE 4/9/2009				i. DEFINITIZATION DATE			j. PLANNED COMPL DATE 9/30/2012			k. CONT COMPLETION DATE			l. EST COMPLETION DATE 9/30/2012			
6. PERFORMANCE DATA													BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)			
ITEM (1)	BCWS CUM TO DATE (2)	BCWS FOR REPORT PERIOD (3)	SIX MONTH FORECAST						FY09 (10)	FY10 (11)	FY11 (12)	FY12 (13)	OUT YEARS (14)	UNDISTRIB BUDGET (15)	TOTAL BUDGET (16)	
			+1 Jan-12 (4)	+2 Feb-12 (5)	+3 Mar-12 (6)	+4 Apr-12 (7)	+5 May-12 (8)	+6 Jun-12 (9)								
a. PM BASELINE (BEGIN OF PERIOD)	1,300,124	11,166	6,802	6,654	2,446	231	617	1,110	161,538	565,906	585,572	18,521	0	0	1,331,537	
b. BASELINE CHANGES AUTH DURING REPORT PERIOD BCRA-011-12-001R0 - PFP Base to ARRA Coding Correction												151			0 151	
c. PM BASELINE (END OF PERIOD)	1,311,290		6,802	6,654	2,446	231	617	1,110	161,538	565,906	585,572	18,672	0	0	1,331,688	
7. MANAGEMENT RESERVE															0	
8. TOTAL															1,331,688	

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

CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES								FORM APPROVED OMB No. 0704-0188	
1. CONTRACTOR		2. CONTRACT			3. PROGRAM			4. REPORT PERIOD	
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract			a. FROM (YYYY/MM/DD) 2011/11/21	
b. LOCATION (Address and ZIP Code) Richland, WA 99354		b. NUMBER RL		b. PHASE ARRA		c. EVMS ACCEPTANCE 2009/09/18 NO YES X		b. TO (YYYY/MM/DD) 2011/12/25	
		c. TYPE CPAF	d. SHARE RATIO						
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	11,166	9,748	10,039	(1,418)	-12.7%	(291)	-3.0%	0.87	0.97
Cumulative:	1,311,290	1,308,405	1,287,366	(2,885)	-0.2%	21,039	1.6%	1.00	1.02
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	1,331,688	1,310,167	21,521	1.6%	0.5	1.0			
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: The Current Month unfavorable Schedule Variance (-\$1.4M) reflects the following: RL-0011 negative variance (-\$1.5M) is a result of inability to work planned shifts in RMA/RMC process lines due to resource constraints, stop works and recovery actions, posting issue during equipment movement, and recovery actions from a contamination event. Delays associated with demolition of the ZB Complex also contribute to the variance, resulting from change in execution strategy. RL-0013 positive variance (+\$0.1M) is within reporting thresholds and reflects the following: RL-13C.R1.1 MLLW Treatment (-\$0.4M) / RL13C.R1.2 TRU Waste (+\$0.4M) schedule recovery for Layup activities partially offset by early completion of MLLW returns. The RL-0030 Current Month Schedule Variance is within thresholds. The RL-0040 positive variance (+\$0.6M) is within reporting threshold. The RL-0041 negative variance (-\$0.5M) is within reporting thresholds.</p> <p>Current Period Cost Variance: The Current Month unfavorable Cost Variance (-\$0.3M) reflects the following: RL-0011 negative variance (-\$1.2M) results from inefficiencies associated with issues discussed above, the diversion of RCT resources and two D&D teams from their originally planned work in order to complete unplanned, carryover scope for KPP closure of the Analytical Laboratories and to ready the 2736-ZB Vault Support Facility for demolition, and training and PFP-specific qualification of a significantly greater number of RCTs than expected (nearly 50% of the workforce) as a result of the "bump and roll" impacts of workforce restructuring. RL-13C.R1.1 MLLW Treatment (-\$0.2M) / RL13C.R1.2 TRU Waste (+\$1.0M) is primarily due to ARRA Layup schedule without commensurate costs, accruals reversed in December (no invoice or re-accrual made) and corrections of start-up anomalies from ARRA to base-funded work scope. The RL-0030 Current Month Cost Variance is within threshold. The RL-0040 positive variance (+\$0.9M) is within reporting threshold. The RL-0041 negative variance (-\$0.5M) is within reporting thresholds.</p>									
<p>Cumulative Schedule Variance: An unfavorable cumulative schedule variance (-\$2.9M) is due to the following: The RL-0011 negative variance (-\$2.7M) is within reporting thresholds. The RL-0013 negative variance (-\$0.1M) is within reporting thresholds, however CSB Readiness Assessment activities show slightly behind schedule due to the level loading of resources, in addition, some engineering activities are behind due to resource availability (directed to higher priority activities). The RL-0030 schedule variance is (\$0.0M) as all ARRA work scope has been completed. The RL-0040 negative variance (-\$0.3M) is within reporting thresholds. The RL-0041 positive variance (+\$0.2M) is within reporting thresholds.</p> <p>Cumulative Cost Variance: The CTD favorable cost variance (+\$21.0M) reflects the following: RL-0011 negative variance (-\$8.2M) is within reporting thresholds. The RL-0013 positive variance (+\$6.8M) is within reporting thresholds and reflects the following: RL-13C.R1.1 MLLW Treatment (+\$5.0M) the positive variance is due to Mixed Low Level Waste efficiencies created by treating waste at Energy Solutions (ES) - Clive rather than planned treatment at PermaFix Northwest (PFNW) due to a waiver received from the Department of Energy (DOE), ERDF negotiated rate reduction with vendor for waste containers, partially offset by higher costs for ETF Containment Berm repairs. RL13C.R1.2 TRU Waste (+\$1.8M) the positive cost variance is due to efficiencies in TRU Characterization and Shipping, TRU Repackaging, T-Plant and WRAP, partially offset by increased materials and labor costs in support of the Trench Face Retrieval and Characterization System (TFRCS), coupled with increased resources for TRU Retrieval deteriorated waste containers, increased allocations for additional office space and other assessments as a result of allocations to Recovery Act expenditures. The RL-0030 Contract to Date Cost variance is within threshold. The RL-0040 positive variance (+\$19.8M) reflects the following: RL-0040.R1.1 U Plant/Other D&D (+\$7.2M) The positive cost variance is due to several factors including the favorable performance of the Cold and Dark and Sampling and Characterization/Waste Identification Form teams (D4) (+\$4.2M); overhead allocations (+\$11.5 M), less than anticipated resources for Program Management (+\$2.4M) and C-3 Sampling (+\$0.7M); lower than planned costs for capital equipment (D4) (+\$3.0M), and less asbestos abatement required for 200W buildings (+\$3.7M) and minor accounts not within threshold (+0.4M). This is offset by increased material and equipment costs, increased use of masks and respirators due to the unexpected asbestos levels in the ancillary buildings in U Ancillary (D4) (-\$8.2M), coupled with increased insulator staff and the use of overtime to recover schedule, 200E Administration (-\$1.7M) and 209E Project delays (-\$5.1M), less resources required at U Canyon (D4) (-0.3M), and Usage Based Services higher than planned (-\$3.4M).</p>									

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

<p>The RL-0040.R1.2 Outer Zone D&D (+\$12.6M) The favorable cost variance is due to efficiencies in Arid Lands Ecology (ALE), North Slope Facilities, disposition of railcars D&D (+\$7.0M), and Outer Area waste sites (+\$6.7M). The waste site favorable cost-to-date variance is primarily due to an O-Zone Remove, Treat, and Dispose (RTD) Waste Sites adjustments (pass back) to ERDF waste disposal costs reflecting the operational efficiencies of the super dump trucks. Within the waste sites area, this favorable cost variance is partially offset by higher than planned costs associated with remediation of pipelines. A negative cost variance is associated with increased costs for the 212N/P/R Project (-\$1.1M) due to the walls of the basins being much thicker than estimated. The RL-0041 negative variance (-\$0.6M) is within reporting threshold.</p>
<p>Impact:</p> <p>Current Period Schedule: For RL-11R.1 current period delays are recoverable since the majority of staff to support teams have completed transition and are now fully qualified. For RL-0013 Current Period there is no impact. For RL-0030, there are no impacts, work complete. For RL-40.R1.1, and RL-40.R1.2, the current period schedule impacts are the same as the CTD schedule impacts (see below). For RL-40.R1.1 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 waste sites, there is no corrective action required. For RL-41.R1.1 the current period schedule impacts are the same as the CTD schedule impacts (see below).</p> <p>Current Period Cost: For RL-11.R1, see CTD Cost impact. For RL-0013 the primary impact is the contract re-accrual and completion of corrections due to start-up anomalies from ARRA to base-funded work scope. For RL-0030, there are no impacts, work complete. For RL-40.R1.1, and RL-40.R1.2, there is no significant cost impact for the current period. For RL-40.R1.1, and RL-40.R1.2, there is no significant cost impact for the current period. For RL-41.R1.1 no impacts at this time.</p> <p>CTD Schedule: For RL-11.R1 work scope is projected to finish on schedule. Although the trend in the first quarter of FY12 is not favorable, the impacts during this period have (for the most part) been resolved and are not indicative of future work. For RL-0013 CTD there is no impact. For RL-0030, there are no impacts, work complete. For RL-40.R1.1 D&D of 209E Project is impacted more by 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 sites, completion of the intentionally delayed waste sites will not be achieved due to placing priority on footprint reduction. For RL-40.R1.2 and RL-40.R1.1 no impacts at this time. For RL-41.R1.1 no impacts at this time.</p> <p>CTD Cost: For RL-11.R1 the overrun at completion results from unrecoverable prior year cost variances. For RL-13C.R1.1 & RL-13C.R1.1 there is overall positive cost impact due to project efficiencies. For RL-0030, there are no impacts, work complete. For RL-40.R1.1, and RL-40.R1.2 there is overall positive cost impact due to project efficiencies. For RL-40.R1.1, and RL-40.R1.2 no corrective actions are required at this time. For RL-41.R1.1, costs will be monitored.</p>
<p>Corrective Action:</p> <p>Current Period Schedule: For RL-11.R1 see CTD Schedule. For RL-0013, no corrective actions required. For RL-0030, no corrective actions required, work is complete. For RL-40.R1.1 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 waste sites, there is no corrective action required. For RL-41.R1.1 the current period schedule corrective actions are the same as CTD schedule corrective actions (see below).</p> <p>Current Period Cost: For RL-11.R1 no corrections are planned. For RL-0013, no corrective actions required. For RL-0030, no corrective actions required, work is complete. 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. For RL-41.R1.1 current period cost corrective actions are the same as the CTD cost corrective actions (see below).</p> <p>CTD Schedule: For RL-11.R1 PFP IS&H has implemented changes to Beryllium Work Permit for all RMC work and a graded approach for IH monitoring was implemented, which will minimize schedule impacts. Overtime will be used in selected areas to recover schedule, and a focused effort will be put in place to have multiple work packages available so alternative scope can be worked should problems arise with the package being worked. The lifecycle performance measurement baseline underwent an independent joint CHPRC and DOE-RL review in December 2011; comment resolution is expected by February 2012. The lifecycle performance measurement baseline will undergo an independent joint CHPRC and DOE-RL review in December 2011. For RL-0013, no corrective action required. For RL-0030, no corrective actions required, work is complete. For RL-40.R1.2 O-Zone waste sites the schedule variance will be accepted in order to achieve the footprint reduction goals. For RL-40.R1.1 D&D structure demolition activities are being accelerated where they can to offset where other demolition activities are delayed. For RL-41.R1.1 has implemented a baseline change request (BCR) to address additional soil contamination (realized risk). Schedule recovery actions are being evaluated to recover the D&D structure demolition and waste site remediation schedule activities where they can to offset where other demolition and remediation activities have been delayed.</p> <p>CTD Cost: For RL-11.R1 no specific actions are planned at this time. The lifecycle performance measurement baseline underwent an independent joint CHPRC and DOE-RL review in December 2011; comment resolution is expected by February 2012. For RL-13C.R1.1 & RL-13C.R1.2 there is overall positive cost impact due to project efficiencies. For RL-0030, no corrective actions required, work is complete. For RL-40.R1.1, and RL-40.R1.2 there is no corrective actions are required at this time. For RL-41.R1.1 no corrective actions are required at this time.</p>
<p>Monthly Summary: (to include technical causes of VARs, Impacts, and Corrective Action(s):</p> <p>All ARRA Subproject's cumulative to date cost and schedule variances are within reporting thresholds. Overall, the current period schedule and cost variances are mixed between favorable and unfavorable performance. RL-11.R.1 PFP D&D, The cumulative to date schedule variance decreased with use of overtime and deferral of work-scope to FY2012, however the favorable cost variance trend continues to erode. The RL-0013 negative schedule variance is within reporting thresholds and is the result of schedule recovery for Layup activities partially offset by early completion of MLLW returns. The RL-0013 negative cost variance is the result of ARRA Layup schedule without commensurate costs, accruals reversed in December (no invoice or re-accrual made) and corrections of start-up anomalies from ARRA to base-funded work scope. Overall, the ARRA workscope in RL-30 was completed in FY2011. There will be a few remaining costs transactions as contracts are closed and final billing completed. The RL-40 R1.1 U Plant/Other D&D unfavorable cumulative to date schedule variance was reduced slightly this month with the favorable cost variance slightly eroding due to current month cost and schedule variances resulting from reduced work schedule due to heat stress and increase effort required for the mock up for the 209E Stimulus-Semi Works Zone project. RL-40.R1.2 Outer Zone D&D unfavorable current month schedule variance results from delaying RTD Waste Sites and pipelines and performance taken in prior months for disposition of rail cars and the favorable cumulative cost variance continue to increase mainly from pass-backs from ERDF. The RL-41.R1.1 100K Area is within reporting thresholds.</p>

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

Contractually Required Cost, Schedule, EAC variance, Management Reserve Use			
Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is positive \$21.5 million and 1.6%. This variance is within threshold for the Project. For information, the VAC threshold limit is +or- 5% and +or- \$15 million.			
Format 1 and 3 Contract Data:			
Contract Price Adjustments			
ARRA ONLY			
CPs - In Process			
	Total Authorized Unpriced Work		-
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)			
	Total Negotiated Cost Changes		1,986,330
	Grand Total Adjustments		1,986,330
Use of Management Reserve: ARRA MR was unchanged (\$0.0) in December 2011.			
Best/Worst/Most Likely Estimate: The Best EAC is the EAC reported this month, which assumes all efficiencies gained contract-to-date will remain at completion with no use of management reserve. The most likely EAC is the EAC reported this month plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will remain at completion but all available management reserve is used (e.g., all identified risks realized). The worst EAC is the BAC reported this month plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will be eroded at completion and all available management reserve is used (e.g., all identified risks realized). The Best/Worst and Most Likely EAC values are documented in the Format 1 Report.			
Prepared by: Project Control Staff	Date: 12/20/2011	Approved by:	Date:

(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