

Appendix A-1

Contract Performance Reports

ARRA

Format 1 - Work Breakdown Structure

Format 3 - Baseline

Format 5 - Explanation and Problem Analysis



February 2012
CHPRC-2012-02, 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													a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2012 / 01 / 23									
b. LOCATION (Address and ZIP Code) Richland, WA													b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2012 / 02 / 19									
5. CONTRACT DATA													c. TYPE CPAF			d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009									
a. QUANTITY		b. NEGOTIATED COST 1,305,191		c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0		d. TARGET PROFIT/FEE 70,807		e. TARGET PRICE 1,375,998		f. ESTIMATED PRICE 1,377,419		g. CONTRACT CEILING 1,375,998		h. ESTIMATED CONTRACT CEILING 1,377,419		i. DATE OF OTB/OTS (YYYYMMDD)												
6. ESTIMATED COST AT COMPLETION													7. AUTHORIZED CONTRACTOR REPRESENTATIVE															
a. BEST CASE		b. WORST CASE		c. MOST LIKELY		MANAGEMENT ESTIMATE AT COMPLETION (1) 1,306,612		CONTRACT BUDGET BASE (2) 1,305,191		VARIANCE (3) (1,421)		a. NAME (Last, First, Middle Initial) Bang, M.V.			b. TITLE Prime Contract Manager													
8. PERFORMANCE DATA													c. SIGNATURE			d. DATE SIGNED (YYYYMMDD) 2012 / 02 / 19												
WBS[1]													CURRENT PERIOD			CUMULATIVE TO DATE			REPROGRAMMING ADJUSTMENTS			AT COMPLETION						
													BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE							
ITEM (1)													WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
RL-0011.R1 PFP D&D													(2,488)	(2,090)	(2,596)	398	507	282,735	279,255	287,356	(3,480)	(8,102)	0	0	0	290,945	297,227	(6,282)
RL-0013C.R1.1 MLLW Treatment													0	0	(11)	0	11	47,707	47,699	42,679	(8)	5,020	0	0	0	47,707	42,739	4,968
RL-0013C.R1.2 TRU Waste													0	0	(1,213)	0	1,213	255,312	255,312	253,790	(0)	1,522	0	0	0	255,312	253,280	2,032
RL-0013C.R1.3 TRU Wst Facil Trans MinSafe													0	0	1,141	0	(1,141)	1,500	1,500	1,141	0	359	0	0	0	1,500	1,391	109
RL-0030.R1.1 GW Capital Asset													0	0	(94)	0	94	175,008	175,008	174,609	0	399	0	0	0	175,008	174,984	24
RL-0030.R1.2 GW Operations													0	0	(3)	0	3	92,146	92,146	89,325	(0)	2,821	0	0	0	92,146	89,515	2,631
RL-0040.R1.1 U Plant/Other D&D													0	16	312	16	(296)	199,391	199,315	192,739	(76)	6,575	0	0	0	199,391	193,307	6,083
RL-0040.R1.2 Outer Zone D&D													0	0	(4)	0	4	84,279	84,279	71,658	0	12,620	0	0	0	87,273	71,661	15,612
RL-0041.R1.1 100 K Area Remediation													306	7	768	(299)	(762)	177,956	177,414	179,732	(541)	(2,318)	0	0	0	179,749	182,509	(2,761)
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													(2,182)	(2,067)	(1,700)	115	(367)	1,316,033	1,311,926	1,293,029	(4,106)	18,897	0	0	0	1,329,030	1,306,612	22,418
f. Management Resrv.													0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
g. Total													(2,182)	(2,067)	(1,700)	115	(367)	1,316,033	1,311,926	1,293,029	(4,106)	18,897	0	0	0	1,329,030		
9. Reconciliation to CBB																												
a. Variance Adjustment																												
b. Total Contract Variance																										1,329,030	1,306,612	22,418

FORMAT 3, DD FORM 2734/3, BASELINE

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE													DOLLARS IN THOUSANDS			Form Approved OMB No. 0704-0188	
1. CONTRACTOR CH2M HILL Plateau Remediation Company b. LOCATION: 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			4. REPORT PERIOD a. FROM: 2012/01/23 b. TO: 2012/02/19							
5. CONTRACT DATA			a. ORIGINAL NEGOTIATED COST 0		b. NEGOTIATED CONTRACT CHANGE \$1,305,191		c. CURRENT NEGOTIATED COST (A + B) \$1,305,191		d. ESTIMATED COST AUTH UNPRICED WORK \$0		e. CONTRACT BUDGET BASE (C + D) \$1,305,191		f. TOTAL ALLOCATED BUDGET \$1,329,030		g. DIFFERENCE (E - F) (\$23,839)		
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		BCWS CUM TO DATE	BCWS FOR REPORT PERIOD	SIX MONTH FORECAST						FY09	FY10	FY11	FY12	OUT YEARS	UNDISTRIB BUDGET	TOTAL BUDGET	
(1)		(2)	(3)	+1 Mar-12 (4)	+2 Apr-12 (5)	+3 May-12 (6)	+4 Jun-12 (7)	+5 Jul-12 (8)	+6 Aug-12 (9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
a. PM BASELINE (BEGIN OF PERIOD)		1,318,214	6,654	2,446	231	617	1,110	1,066	1,110	161,538	565,906	585,572	18,795	0	0	1,331,811	
b. BASELINE CHANGES AUTH DURING REPORT PERIOD BCR-R11-12-001R0 - Realignment of ARRA KPP-1 Work Scope													(2,781)	0	0	0	
c. PM BASELINE (END OF PERIOD)		1,324,868		2,580	1,885	2,455	2,361	2,218	1,136	161,538	565,906	585,572	16,014	0	0	1,329,030	
7. MANAGEMENT RESERVE																0	
8. TOTAL																1,329,030	

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) 2012/01/23	
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) 2012/02/19	
		c. TYPE CPAF	d. SHARE RATIO						
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	-2,182	-2,067	-1,700	115	-5.3%	(367)	17.7%	0.95	1.22
Cumulative:	1,316,033	1,311,926	1,293,029	(4,106)	-0.3%	18,897	1.4%	1.00	1.01
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	1,329,030	1,306,612	22,418	1.7%	0.5	1.3			
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: The Current Month favorable Schedule Variance (+\$0.1M) reflects the following: RL-0011 positive variance (+\$0.4M) is within reporting thresholds. The RL-0013 positive variance (+\$0.0M) is within reporting thresholds. The RL-0030 Current Month Schedule Variance is within thresholds. The RL-0040 positive variance (+\$0.0M) is within reporting threshold. The RL-0041 negative variance (-\$0.3M) is within reporting thresholds.</p> <p>Current Period Cost Variance: The Current Month unfavorable Cost Variance (-\$0.4M) reflects the following: RL-0011 positive variance (+\$0.5M) is primarily due to the single point adjustment resulting from implementation of BCR 011-R11-12-001R0, Realignment of ARRA KPP Work Scope. Scope, budget, performance, and actual costs were transferred from ARRA control accounts to Base-funded control accounts, retroactive to December 27, 2011. The RL-0013 positive variance (+\$0.0M) favorable cost variance is within threshold and is the result of a cost transfer from ARRA to Base. Future labor corrections and projected passbacks are likely to offset this reduction in cost. The RL-0030 Current Month Cost Variance is within threshold. The RL-0040 negative variance (-\$0.3M) is within reporting threshold, but due to demobilization and surveys requiring increased resources and costs for MSA fleet services (equipment rental) significantly greater than plan. The RL-0041 negative variance (-\$0.8M) is due to Waste Disposal costs for D4 structures that were completed late in FY2011, but the debris was not loaded and sent to ERDF until FY2012 and unplanned equipment rentals costs.</p> <p>Cumulative Schedule Variance: An unfavorable cumulative schedule variance (-\$4.1M) is due to the following: The RL-0011 negative variance (-\$3.5M) is within reporting thresholds. The RL-0013 negative variance (-\$0.0M) is within reporting thresholds. The RL-0030 schedule variance is (\$0.0M) as all ARRA work scope has been completed. The RL-0040 negative variance (-\$0.1M) is within reporting thresholds. The RL-0041 negative variance (-\$0.5M) is within reporting thresholds.</p> <p>Cumulative Cost Variance: The CTD favorable cost variance (+\$18.9M) reflects the following: RL-0011 negative variance (-\$8.1M) is within reporting thresholds. The RL-0013 positive variance (+\$6.9M) is due to efficiencies in TRU Characterization and Shipping, TRU Repackaging, T Plant and WRAP, Mixed Low Level Waste (MLLW) efficiencies created by treating waste at Energy Solutions (ES) - Clive rather than planned treatment at PFNW due to a waiver received from the Department of Energy (DOE), Environmental Restoration Disposal Facility (ERDF) negotiated rate reduction with vendor for waste containers, partially offset by increased materials and labor costs in support of the Trench Face Retrieval and Characterization System (TFRCS), and 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 (+\$19.2M) reflects the following: RL-0040.R1.1 U Plant/Other D&D (+\$6.6M) positive variance is due to performance of the Cold and Dark and Sampling and Characterization/Waste Identification Form teams (D4); overhead allocations, less than anticipated resources for Program Management and C-3 Sampling; lower than planned costs for capital equipment (D4), and less asbestos abatement required for 200W buildings. 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), coupled with increased insulator staff and the use of overtime to recover schedule, 200E Administration and 209E Project delays, less resources required at U Canyon (D4), and Usage Based Services higher than planned. The RL-0040.R1.2 Outer Zone D&D positive variance (+\$12.6M) is due to efficiencies in Arid Lands Ecology (ALE), North Slope Facilities, disposition of railcars D&D, and Outer Area waste sites. 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 due to the walls of the basins being much thicker than estimated. The RL-0041 negative variance (-\$2.3M) is due to higher costs for the Utilities Project than planned.</p>									

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

<p>Impact:</p> <p>Current Period Schedule: For RL-11R.1, current period reflects upward trend in schedule performance. BCR 011-R11-12-001R0, <i>Realignment of ARRA KPP Work Scope</i>, was implemented this month. 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, there is no significant schedule impact for the current period. 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, cost performance continued to improve this period. For RL-0013, no impacts at this time. 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-41.R1.1 no impacts at this time.</p> <p>CTD Schedule: For RL-11.R.1, work scope is projected to finish on schedule. Although the performance was poor in the first quarter of FY2012, it has continued to trend in a positive direction. Performance has leveled off at a rate below the baseline plan; however, it is expected (with implementation of ideas identified during the Value Engineering Workshop) that this trend will continue to be reversed. No impact at completion is forecast at this time. For RL-0013 CTD there is no impact. For RL-0030, there are no impacts, work complete. For RL-40.R1.1, and RL-40.R1.2, there are no significant CTD schedule impacts. For RL-41.R1.1 no impacts at this time.</p> <p>CTD Cost: For RL-11.R1 the VAC reflects expected improved efficiency in completing remaining ARRA work scope. Also, the ARRA to Base change has been reflected in the EAC, but is not yet reflected in the BAC. The FYTD trend has been factored into the FY2012 ETC. Cost savings or cost impact, resulting from schedule impacts discussed above, are under investigation. For RL-13, the overall positive cost impact is due to project efficiencies. For RL-0030, there are no impacts, work complete. For RL-40.R1.1, and RL-40.R.1.2 there is overall positive cost impact due to project efficiencies. For RL-41.R1.1, costs will be monitored.</p>
<p>Corrective Action:</p> <p>Current Period Schedule: For RL-11.R.1 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-40.R1.2 no corrective actions are required at this time. 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, and RL-40.R1.2 no corrective actions are required at this time. 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, overtime is being used in selected areas to recover schedule (ongoing; COMPLETE), and a focused effort is in place to have multiple work packages (WP) available so alternative scope can be worked should problems arise with the package being worked (WP backlog has increased; COMPLETE). Resources have been identified in the detailed field execution schedule, which assists with more efficient resource utilization (COMPLETE). Responses will be provided on the lifecycle performance measurement baseline DOE-RL review comments in March 2012. The recommendations from a Value Engineering (VE) Study, held the week of 02/27/12, will be evaluated for viability by PFP senior management. An individual will be assigned to spearhead the VE initiatives (ECD March 2012). April 2012: PFP will begin to develop the implementation plan. For RL-0013, no corrective action required. For RL-0030, no corrective actions required, work is complete. For RL-40.R1.1, and RL-40.R1.2 no corrective actions are required at this time. 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. Responses will be provided on the lifecycle performance measurement baseline RL review comments in March 2012. For RL-0013, no corrective action required. For RL-0030, no corrective actions required, work is complete. For RL-40.R1.1, and RL-40.R1.2 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. The RL-0011 current month schedule variance is a result of inability to work planned shifts in RMA/RMC process lines due to key resource absence during holiday week, lack of work package backlog, and D&D work restriction. Delays in demolition of the ZB Complex result from more effort required to ready 2736-ZB for demolition and time lost recovering from an un-sampled waste water incident. The Hanford site closure for inclement weather also contributes to the unfavorable variance. 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. For RL-40.R1.1, and RL-40.R1.2, Cost and Schedule Variances are within reporting threshold for the current period. The RL-41.R1.1 100K Area is within reporting thresholds.</p>
<p>Contractually Required Cost, Schedule, EAC variance, Management Reserve Use</p> <p>Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is positive \$22.4 million and 1.7%. This variance is within threshold for the Project. For information, the VAC threshold limit is +or- 5% and +or- \$15 million.</p>

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

Format 1 and 3 Contract Data:			
Contract Price Adjustments			
ARRA			
CPs - In Process			
		Total Authorized Unpriced	-
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)			
		Total Negotiated Cost	0
		Grand Total	0
Use of Management Reserve: ARRA MR was unchanged (\$0.0) in February 2012.			
<p>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.</p>			
Prepared by:	Date:	Approved by:	Date:
Project Control Staff	2/29/2012		

(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