

# Appendix A-1

## Contract Performance Reports

### ARRA

Format 1 - Work Breakdown Structure

Format 3 - Baseline

Format 5 - Explanation and Problem Analysis



March 2012  
CHPRC-2012-03, 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)					
b. LOCATION (Address and ZIP Code) Richland, WA										b. NUMBER RL14788					b. PHASE			2012 / 02 / 20					
										c. TYPE CPAF					d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009			b. TO (YYYYMMDD) 2012 / 03 / 25		
5. CONTRACT 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)										
		1,305,191	0			70,807	1,375,998	1,377,474	1,375,998	1,377,474													
6. ESTIMATED COST AT COMPLETION																							
a. BEST CASE		MANAGEMENT ESTIMATE AT COMPLETION (1)			CONTRACT BUDGET BASE (2)			VARIANCE (3)			7. AUTHORIZED CONTRACTOR REPRESENTATIVE			d. DATE SIGNED (YYYYMMDD)									
		1,306,667									a. NAME (Last, First, Middle Initial) Bang, M.V.			b. TITLE Prime Contract Manager									
b. WORST CASE		1,326,035									c. SIGNATURE			2012 / 03 / 25									
c. MOST LIKELY		1,306,667			1,305,191			(1,476)															
8. PERFORMANCE DATA																							
WBS[1]  ITEM (1)	CURRENT PERIOD						CUMULATIVE TO DATE				REPROGRAMMING ADJUSTMENTS			AT COMPLETION									
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED		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)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)													
RL-0011.R1 PFP D&D	2,289	2,049	1,738	(241)	311	285,024	281,303	289,094	(3,721)	(7,791)	0	0	0	290,945	296,726	(5,781)							
RL-0013C.R1.1 MLLW Treatment	0	0	(0)	0	0	47,707	47,699	42,679	(8)	5,020	0	0	0	47,707	42,740	4,967							
RL-0013C.R1.2 TRU Waste	0	0	(122)	0	122	255,312	255,312	253,668	(0)	1,643	0	0	0	255,312	253,685	1,627							
RL-0013C.R1.3 TRU Wst Facil Trans MinSafe	0	0	134	0	(134)	1,500	1,500	1,275	0	225	0	0	0	1,500	1,273	227							
RL-0030.R1.1 GW Capital Asset	0	0	127	0	(127)	175,008	175,008	174,736	0	272	0	0	0	175,008	175,011	(3)							
RL-0030.R1.2 GW Operations	0	0	187	0	(187)	92,146	92,146	89,512	(0)	2,634	0	0	0	92,146	89,514	2,632							
RL-0040.R1.1 U Plant/Other D&D	0	0	460	0	(460)	199,391	199,315	193,199	(76)	6,115	0	0	0	199,391	193,458	5,933							
RL-0040.R1.2 Outer Zone D&D	0	0	(5)	0	5	84,279	84,279	71,654	0	12,625	0	0	0	84,279	71,656	12,623							
RL-0041.R1.1 100 K Area Remediation	291	294	1,157	3	(863)	178,246	177,708	180,889	(538)	(3,181)	0	0	0	179,749	182,604	(2,855)							
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							
e. Sub Total	2,580	2,343	3,677	(237)	(1,335)	1,318,613	1,314,269	1,296,706	(4,344)	17,563	0	0	0	1,326,035	1,306,667	19,368							
f. Management Resrv.														0									
g. Total	2,580	2,343	3,677	(237)	(1,335)	1,318,613	1,314,269	1,296,706	(4,344)	17,563	0	0	0	1,326,035									
9. Reconciliation to CBB																							
a. Variance Adjustment										0	0												
b. Total Contract Variance									(4,344)	17,563				1,326,035	1,306,667	19,368							

**FORMAT 3, DD FORM 2734/3, BASELINE**

CONTRACT PERFORMANCE REPORT													Form Approved		
FORMAT 3 - BASELINE											OMB No. 0704-0188				
1. CONTRACTOR			2. CONTRACT				3. PROGRAM				4. REPORT PERIOD				
March FY2012 - ARRA CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA			a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:				a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009				a. FROM: 2012/02/20 b. TO: 2012/03/25				
5. CONTRACT DATA															
a. ORIGINAL NEGOTIATED COST			b. NEGOTIATED CONTRACT CHANGE		c. CURRENT NEGOTIATED COST (A + B)		d. ESTIMATED COST AUTH UNPRICED WORK	e. CONTRACT BUDGET BASE (C + D)		f. TOTAL ALLOCATED BUDGET		g. DIFFERENCE (E - F)			
0			\$1,305,191		\$1,305,191		\$0	\$1,305,191		\$1,326,035		(\$20,844)			
h. CONTRACT START DATE			i. DEFINITIZATION DATE		j. PLANNED COMPL DATE		k. CONT COMPLETION DATE			l. EST COMPLETION DATE					
4/9/2009					9/30/2012					9/30/2012					
6. PERFORMANCE DATA															
ITEM	BCWS CUM TO DATE	BCWS FOR REPORT PERIOD	SIX MONTH FORECAST						FY09	FY10	FY11	FY12	OUT YEARS	UNDISTRIB BUDGET	TOTAL BUDGET
			+1 Apr-12	+2 May-12	+3 Jun-12	+4 Jul-12	+5 Aug-12	+6 Sep-12							
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
a. PM BASELINE (BEGIN OF PERIOD)	1,316,033	2,580	1,885	2,455	2,361	2,218	1,136	1,110	161,538	565,906	585,572	16,014	0	0	1,329,029
b. BASELINE CHANGES AUTH DURING REPORT PERIOD BCR-040-12-001R0 - Defer 6652L and Add U Canyon S&M Turnover												(2,994)			0
c. PM BASELINE (END OF PERIOD)	1,318,613		1,885	2,125	1,469	1,366	307	270	161,538	565,906	585,572	13,020	0	0	1,326,035
7. MANAGEMENT RESERVE															0
8. TOTAL															1,326,035

**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)  2012/02/20	
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)  2012/03/25	
		c. TYPE CPAF	d. SHARE RATIO						
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	2,580	2,343	3,677	(237)	-9.2%	(1,335)	-57.0%	0.91	0.64
Cumulative:	1,318,613	1,314,269	1,296,706	(4,344)	-0.3%	17,563	1.3%	1.00	1.01
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	1,326,035	1,306,667	19,368	1.5%	0.4	1.2			
<b>Explanation of Variance/Description of Problem:</b>									
<p><b>Current Period Schedule Variance:</b> The Current Month unfavorable Schedule Variance (-\$0.2M) is within reporting thresholds.</p> <p><b>Current Period Cost Variance:</b> The Current Month unfavorable Cost Variance (-\$1.3M) reflects the following:</p> <p>The RL-0011 positive variance (+\$0.3M) primarily results from the following: 1) a portion of ZB demolition work was planned to complete December 27, 2011, however, it was delayed and completed/earned this month. All other ZB demolition work is planned under Base, and all actual costs are incurred under the Base account; 2) final cost transfer from ARRA to Base control accounts. The RL-0013 negative cost variance (-\$0.0M) is within threshold. The RL-0030 Current Month Cost Variance (-\$0.3M) is within threshold. The RL-0040 negative variance (-\$0.5M) 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 (-\$0.9M) is due to due to a cost transfer for work completed earlier in the fiscal year and charged to Base funding, 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><b>Cumulative Schedule Variance:</b> The unfavorable Cumulative Schedule Variance (-\$4.3M) is within reporting thresholds.</p> <p><b>Cumulative Cost Variance:</b> The CTD favorable Cost Variance (+\$17.6M) is within reporting thresholds and reflects the following:</p> <p>The RL-0011 negative variance (-\$7.8M) is within reporting thresholds. The RL-0013 positive variance (+\$6.8M) 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 (+\$18.7M) reflects the following: RL-0040.R1.1 U Plant/Other D&amp;D (+\$6.1M) 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&amp;D positive variance (+\$12.6M) is due to efficiencies in Arid Lands Ecology (ALE), North Slope Facilities, disposition of railcars D&amp;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 and 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 (-\$3.2M) is due to higher costs for the Utilities Project than planned.</p>									

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

<p><b>Impact:</b></p> <p><b>Current Period Schedule:</b> For RL-11R.1, current period reflects a slight decline in schedule performance. 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><b>Current Period Cost:</b> 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><b>CTD Schedule:</b> For RL-11.R1 Responses were provided on the lifecycle performance measurement baseline DOE-RL review comments and BCR-011-12-002R0, <i>PFP PB R3 Update per RCR Response</i>, was implemented in March 2012 (COMPLETE). Value Engineering (VE) Study, assigned to spearhead the VE initiatives (COMPLETE). PFP will begin to develop the implementation plan (ECD April 2012). 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><b>CTD Cost:</b> For RL-11.R1 no specific actions are planned at this time. Responses were provided on the lifecycle performance measurement baseline DOE-RL review comments, and BCR-011-12-002R0, <i>PFP PB R3 Update per RCR Response</i>, was implemented in March 2012 (COMPLETE). 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><b>Corrective Action:</b></p> <p><b>Current Period Schedule:</b> 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><b>Current Period Cost:</b> 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><b>CTD Schedule:</b> 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&amp;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><b>CTD Cost:</b> 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-13C.R1.1 the favorable cost variance is expected to continue. For RL-13C.R1.2 no corrective actions required. For RL-13C.R1.3 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, no corrective actions are required at this time.</p>
<p><b>Monthly Summary:</b> (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 except for RL-13C.R1.1 MLLW Treatment and RL-40.R1.2 Outer Zone D&amp;D which have favorable cost variances of 10.5% and 15% respectively. 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&amp;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-41.R1.1 100K Area negative cost variance is due to a cost transfer, waste disposal costs and unplanned equipment rental. No significant impacts or corrective actions noted.</p>
<p><b>Contractually Required Cost, Schedule, EAC variance, Management Reserve Use</b></p> <p><b>Variance in Performance BAC and EAC:</b> The variance at complete (VAC) between the BAC and EAC this month is positive \$19.4 million and 1.5%. 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**

<b>Format 1 and 3 Contract Data:</b>			
<b>Contract Price Adjustments</b>			
<b>ARRA ONLY</b>			
<b>CPs - In Process</b>			
		<b>Total Authorized Unpriced Work</b>	-
<b>Approved Adjustments to Contract Price (not reflected in B.4-1 Table)</b>			
		<b>Total Negotiated Cost Changes</b>	0
		<b>Grand Total Adjustments</b>	<b>0</b>
<b>Use of Management Reserve:</b> ARRA MR was unchanged (\$0.0) in March 2012.			
<p><b>Best/Worst/Most Likely Estimate:</b> 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>			
<b>Prepared by:</b>	<b>Date:</b>	<b>Approved by:</b>	<b>Date:</b>
Project Control Staff	3/26/2012		

(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