

Appendix A-1

Contract Performance Reports

ARRA

Format 1 - Work Breakdown Structure

Format 3 - Baseline

Format 5 - Explanation and Problem Analysis



May 2012
CHPRC-2012-05, 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 / 04 / 22					
										c. TYPE CPAF					d. SHARE RATIO					c. EVMS ACCEPTANCE NO YES X 9/18/2009			b. TO (YYYYMMDD) 2012 / 05 / 27		
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			70,922	1,376,113	1,373,404	1,376,113	1,373,404															
6. ESTIMATED COST AT COMPLETION																									
a. BEST CASE		MANAGEMENT ESTIMATE AT COMPLETION (1)			CONTRACT BUDGET BASE (2)			VARIANCE (3)			7. AUTHORIZED CONTRACTOR REPRESENTATIVE														
		1,302,482									a. NAME (Last, First, Middle Initial) Bang, M.V.														
b. WORST CASE		1,326,035									b. TITLE Prime Contract Manager														
c. MOST LIKELY		1,302,482			1,305,191			2,709			c. SIGNATURE														
											d. DATE SIGNED (YYYYMMDD) 2012 / 05 / 27														
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 (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	1,838	551	1,581	(1,286)	(1,030)	288,515	282,872	292,754	(5,643)	(9,882)	0	0	0	290,945	294,054	(3,110)									
RL-0013C.R1.1 MLLW Treatment	0	8	5	8	3	47,707	47,707	42,685	(0)	5,021	0	0	0	47,707	42,692	5,015									
RL-0013C.R1.2 TRU Waste	0	0	(260)	0	260	255,312	255,312	253,363	(0)	1,949	0	0	0	255,312	253,275	2,036									
RL-0013C.R1.3 TRU Wst Facil Trans MinSafe	0	0	55	0	(55)	1,500	1,500	1,450	0	50	0	0	0	1,500	1,479	21									
RL-0030.R1.1 GW Capital Asset	0	0	13	0	(13)	175,008	175,008	174,841	0	167	0	0	0	175,008	174,921	87									
RL-0030.R1.2 GW Operations	0	0	(0)	0	0	92,146	92,146	89,508	(0)	2,637	0	0	0	92,146	89,509	2,637									
RL-0040.R1.1 U Plant/Other D&D	0	0	116	0	(116)	199,391	199,391	193,619	(0)	5,772	0	0	0	199,391	193,626	5,765									
RL-0040.R1.2 Outer Zone D&D	0	0	2	0	(2)	84,279	84,279	71,649	0	12,630	0	0	0	84,279	71,650	12,629									
ARRA RL-0040.R1.4 Asbestos Abatement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,802	(1,802)									
RL-0041.R1.1 100 K Area Remediation	288	0	111	(288)	(111)	178,765	177,716	179,724	(1,049)	(2,008)	0	0	0	179,749	181,276	(1,528)									
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	2,125	560	1,623	(1,566)	(1,064)	1,322,623	1,315,930	1,299,595	(6,692)	16,336	0	0	0	1,326,035	1,302,482	23,553									
f. Management Reserv.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
g. Total	2,125	560	1,623	(1,566)	(1,064)	1,322,623	1,315,930	1,299,595	(6,692)	16,336	0	0	0	1,326,035											
9. Reconciliation to CBB																									
a. Variance Adjustment																									
b. Total Contract Variance																									
											0	0													
											(6,692)	16,336													
											1,326,035	1,302,482	23,553												

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					
May Monthly Report - 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: 2012/04/23 b. TO: 2012/05/27					
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											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 Jun-12	+2 Jul-12	+3 Aug-12	+4 Sep-12	+5 Oct-12	+6 Nov-12								
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
a. PM BASELINE (BEGIN OF PERIOD)	1,320,497	1,885	1,469	1,366	307	270	0	0	161,538	565,906	585,572	13,019	0	0	1,326,035	
b. BASELINE CHANGES AUTH DURING REPORT PERIOD None															0	
c. PM BASELINE (END OF PERIOD)	1,322,623	2,125	1,469	1,366	307	270	0	0	161,538	565,906	585,572	13,019	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) 2012/04/23	
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) 2012/05/27	
		c. TYPE CPAF	d. SHARE RATIO						
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	2,125	560	1,623	(1,566)	-73.7%	(1,064)	-190.0%	0.26	0.34
Cumulative:	1,322,623	1,315,930	1,299,595	(6,692)	-0.5%	16,336	1.2%	0.99	1.01
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	1,326,035	1,304,285	21,751	1.6%	0.4	2.2			
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: The Current Month unfavorable Schedule Variance (-\$1.6M) reflects the following:</p> <p>The RL-0011 negative variance (-\$1.3M) results from two weeks of focused block training for D&D field work teams and an additional week of suspended intrusive D&D work, while exhaust fans were repaired. In addition, an "enhanced time on tools efficiency" has not yet been realized. The RL-0041 negative variance (-\$0.3M) is due to backfills for Waste Sites being behind due to the activity being level loaded. Backfill will not occur until mid to late summer.</p> <p>Current Period Cost Variance: The Current Month unfavorable Cost Variance (-\$1.1M) reflects the following:</p> <p>The RL-0011 negative variance (-\$1.1M) primarily results from inefficiencies associated with issues discussed above and the limited ability to re-assign resources to other projects when events prevent work in assigned areas. The RL-0013 positive variance (+\$0.1M) is within reporting threshold. The RL-0030 negative variance (-\$0.0M) is within threshold. The RL-0040 negative variance (-\$0.1M) is within reporting thresholds, work is now complete. The RL-0041 negative variance (-\$0.1M) is within reporting thresholds.</p> <p>Cumulative Schedule Variance: The unfavorable Cumulative Schedule Variance (-\$6.7M) is within reporting thresholds.</p> <p>Cumulative Cost Variance: The CTD favorable Cost Variance (+\$16.3M) is within reporting thresholds and reflects the following:</p> <p>The RL-0011 negative variance (-\$9.9M) is within reporting thresholds. The RL-0013 positive variance (+\$5.0M) 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 (+\$18.4M) reflects the following: RL-0040.R1.1 U Plant/Other D&D (+\$5.8M) 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 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 (-\$2.0M) is due to higher costs for the Utilities Project than planned.</p>									

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

Impact:	
<p>Current Period Schedule: For RL-11R.1, current period reflects a 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>Current Period Cost: For RL-11.R1, cost performance reflects a decline in cost performance. 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.R1, 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 be reversed. ARRA funds are now forecast through June 2012.. The majority of the KPP-associated scope is expected to complete May 2014. One glovebox (HC-7C) will not complete until June 2014 and Glovebox HC-9B will not complete in-situ size reduction until September 2014. 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 schedule will be monitored.</p> <p>CTD Cost: For RL-11.R1, the VAC reflects total expenditure of ARRA funds in June 2012. 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>	
Corrective Action:	
<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, the current period cost corrective actions are the same as the CTD cost corrective actions (see below).</p> <p>CTD Schedule: For RL-11.R1, evaluation and implementation of Value Engineering initiatives continue. 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. 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>	
Monthly Summary: (to include technical causes of VARs, Impacts, and Corrective Action(s):	
<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&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 The Current Month Schedule Variance results from two weeks of focused block training for D&D field work teams and an additional week of suspended intrusive D&D work, while exhaust fans were repaired. In addition, an "enhanced time on tools efficiency" has not yet been realized. The cost variance results from inefficiencies associated with issues discussed above and the limited ability to re-assign resources to other projects when events prevent work in assigned areas. No significant impacts or corrective actions noted.</p>	
Contractually Required Cost, Schedule, EAC variance, Management Reserve Use	
<p>Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is positive \$21.8 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.</p>	
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
	0
	Grand Total Adjustments
	0
Use of Management Reserve: ARRA MR was unchanged (\$0.0) in May 2012.	

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

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: 6/20/2012	Approved by:	Date:
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(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