

Appendix A

Contract Performance Reports

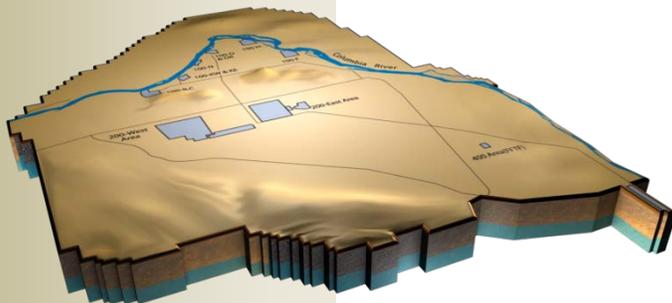
Format 1 - Work Breakdown Structure

Format 2 - Organizational Categories

Format 3 - Baseline

Format 4 - Staffing

Format 5 - Explanation and Problem Analysis



FORMAT 2, DD FORM 2734/2, ORGANIZATIONAL CATEGORIES

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES													DOLLARS IN <u> </u> Thousands of \$			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					2011 / 02 / 21							
	c. TYPE CPAF					d. SHARE RATIO					b. TO (YYYYMMDD)							
						c. EVMS ACCEPTANCE NO YES X					2011 / 03 / 27							
						9/18/2008												
5. PERFORMANCE DATA																		
FOC 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)								
30A - Project Services & Support																		
011.A - Proj Services & Support	2,184	2,184	1,850	0	334	48,667	48,667	43,873	0	4,794	0	0	0	88,125	88,125	0		
012.A - Proj Services & Support	1,060	1,060	1,011	0	49	24,613	24,613	24,267	0	346	0	0	0	88,644	88,644	0		
013.A - Proj Services & Support	3,038	3,038	2,480	0	558	65,418	65,418	60,747	0	4,672	0	0	0	305,716	305,716	0		
030.A - Proj Services & Support	1,816	1,816	2,519	0	(703)	53,740	53,740	52,714	0	1,027	0	0	0	199,296	199,296	0		
040.A - Proj Services & Support	1,985	1,985	1,512	0	473	38,448	38,448	29,717	0	8,731	0	0	0	196,903	196,903	0		
041.A - Proj Services & Support	1,652	1,652	1,202	0	450	27,525	27,525	24,240	0	3,285	0	0	0	89,739	89,739	0		
042.A - Proj Services & Support	22	22	11	0	11	1,513	1,513	1,369	0	145	0	0	0	4,024	4,024	0		
	11,758	11,758	10,585	0	1,173	259,926	259,926	236,926	0	23,000	0	0	0	972,448	972,448	0		
30B - WBS 98 PSD Distribution																		
011.A1 - Project Specific Distributables	219	219	207	0	12	15,441	15,441	16,305	0	(864)	0	0	0	16,561	16,561	0		
013.A1 - Project Specific Distributables	227	227	220	0	7	9,484	9,484	13,914	0	(4,430)	0	0	0	10,645	10,645	0		
030.A1 - Project Specific Distributables	144	144	278	0	(134)	7,439	7,439	9,439	0	(2,000)	0	0	0	8,173	8,173	0		
040.A1 - Project Specific Distributables	298	298	179	0	119	18,658	18,658	16,729	0	1,930	0	0	0	20,184	20,184	0		
041.A1 - Project Specific Distributables	166	166	86	0	79	11,308	11,308	9,960	0	1,348	0	0	0	12,155	12,155	0		
	1,053	1,053	971	0	82	62,330	62,330	66,346	0	(4,016)	0	0	0	67,718	67,718	0		
30C - WBS 98 R&RP Distribution																		
011.A2 - PSD R & RP	0	0	0	0	(0)	950	950	1,229	0	(279)	0	0	0	950	950	0		
012.A2 - PSD R & RP	0	0	0	0	(0)	0	0	1,408	0	(1,408)	0	0	0	0	0	0		
013.A2 - PSD R&RP	0	0	1	0	(1)	1,132	1,132	2,292	0	(1,161)	0	0	0	1,132	1,132	0		
030.A2 - PSD R&RP	0	0	0	0	(0)	989	989	3,152	0	(2,162)	0	0	0	989	989	0		
040.A2 - PSD R&RP	0	0	0	0	(0)	1,076	1,076	704	0	371	0	0	0	1,076	1,076	0		
041.A2 - PSD R&RP	0	0	0	0	(0)	854	854	603	0	250	0	0	0	854	854	0		
042.A2 - PSD R&RP	0	0	0	0	(0)	0	0	22	0	(22)	0	0	0	0	0	0		
	0	0	1	0	(1)	5,000	5,000	9,411	0	(4,411)	0	0	0	5,000	5,000	0		
34 - Environmental Prog & Regulatory Mgmt																		
030.2 - Envir Prog & Regl Mgt	1,097	1,088	74	(10)	1,014	26,282	25,984	24,499	(298)	1,485	0	0	0	67,185	67,185	0		
	1,097	1,088	74	(10)	1,014	26,282	25,984	24,499	(298)	1,485	0	0	0	67,185	67,185	0		
35 - Business Services & Project Controls																		
012.3 - Transition (PTB)	0	0	0	0	0	21,768	21,768	21,768	0	0	0	0	0	21,768	21,768	0		
030.9F - Ramp Up/Transition - Fac	134	239	940	105	(701)	22,358	22,358	22,861	0	(504)	0	0	0	23,045	23,045	0		
	134	239	940	105	(701)	44,126	44,126	44,630	0	(504)	0	0	0	44,813	44,813	0		
3A - 100K Area Project																		
012.1 - 100 K Area Project	2,454	2,454	2,143	(0)	311	71,434	71,434	75,613	0	(4,179)	0	0	0	203,403	203,403	0		
012.2 - Sludge Treatment Project	4,726	3,609	5,781	(1,117)	(2,172)	91,523	86,793	88,214	(4,730)	(1,421)	0	0	0	267,813	267,813	0		
040.1 - PRC D&D	7,300	8,743	8,216	1,443	526	169,109	165,559	155,013	(3,550)	10,546	0	0	0	480,007	480,007	0		
041.1 - River Zone	8,023	5,223	7,262	(2,800)	(2,039)	121,162	113,448	129,012	(7,714)	(15,564)	0	0	0	287,184	287,184	0		
042.1 - FFFF	146	146	126	0	19	9,370	9,370	8,437	0	933	0	0	0	21,075	21,075	0		
	22,648	20,174	23,528	(2,474)	(3,354)	462,597	446,603	456,289	(15,994)	(9,686)	0	0	0	1,259,483	1,259,483	0		
3B - PFP Closure, BOS & Infrastructure																		
011.1 - Plutonium Finishing Plant	14,129	13,318	15,154	(811)	(1,835)	276,105	275,317	274,989	(788)	328	0	0	0	524,689	524,689	0		
	14,129	13,318	15,154	(811)	(1,835)	276,105	275,317	274,989	(788)	328	0	0	0	524,689	524,689	0		
3C - Waste & Fuels Management Project																		
013.1 - Waste Management	19,565	17,166	19,685	(2,399)	(2,520)	411,295	401,045	411,500	(10,249)	(10,455)	0	0	0	1,602,193	1,602,193	0		
	19,565	17,166	19,685	(2,399)	(2,520)	411,295	401,045	411,500	(10,249)	(10,455)	0	0	0	1,602,193	1,602,193	0		
3D - Soil & Groundwater Remediation																		
030.1 - Soil & GW Remediation	9,428	9,972	13,132	544	(3,160)	258,606	257,404	254,869	(1,201)	2,535	0	0	0	960,082	960,082	0		
040.2 - D&D Fac Waste Site Remediation	4,990	3,471	3,621	(1,518)	(150)	58,891	56,383	48,077	(2,508)	8,306	0	0	0	347,874	347,874	0		
041.3 - Waste Sites	2,599	1,451	2,122	(1,148)	(671)	38,663	43,148	31,350	4,486	11,799	0	0	0	126,876	126,876	0		
	17,017	14,894	18,875	(2,123)	(3,982)	356,160	356,936	334,295	776	22,641	0	0	0	1,434,832	1,434,832	0		
3F - Engineering, Procurement & Construction Proj																		
030.3 - EPC - Groundwater	14,514	16,473	19,575	1,959	(3,103)	143,492	146,418	154,896	2,926	(8,477)	0	0	0	257,885	257,885	0		
	14,514	16,473	19,575	1,959	(3,103)	143,492	146,418	154,896	2,926	(8,477)	0	0	0	257,885	257,885	0		
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	101,916	96,163	109,389	(5,753)	(13,226)	2,047,313	2,023,686	2,013,782	(23,627)	9,905	0	0	0	6,236,246	6,236,246	0		
f. Management Resrv.	0	0	0	0	0	0	0	0	0	0	0	0	0	234,291	234,291	0		
g. Total	101,916	96,163	109,389	(5,753)	(13,226)	2,047,313	2,023,686	2,013,782	(23,627)	9,905	0	0	0	6,470,537	6,470,537	0		

FORMAT 3, DD FORM 2734/3, BASELINE

CONTRACT PERFORMANCE REPORT													Form Approved		
FORMAT 3 - BASELINE													OMB No. 0704-0188		
DOLLARS IN THOUSANDS													4. REPORT PERIOD		
1. CONTRACTOR CH2M HILL Plateau Remediation Company			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: 2011/2/21 b. TO: 2011/3/27		
5. CONTRACT DATA															
a. ORIGINAL NEGOTIATED COST 4,312,366			b. NEGOTIATED CONTRACT CHANGE \$803,402		c. CURRENT NEGOTIATED COST (A + B) \$5,115,768		d. ESTIMATED COST AUTH UNPRICED WORK 1,352,485		e. CONTRACT BUDGET BASE (C + D) \$6,468,253		f. TOTAL ALLOCATED BUDGET \$6,468,253		g. DIFFERENCE (E - F) \$0		
h. CONTRACT START DATE 6/19/2008			i. DEFINITIZATION DATE 6/19/2008		j. PLANNED COMPL DATE 9/30/2018		k. CONT COMPLETION DATE 9/30/2018		l. EST COMPLETION DATE 9/30/2018						
6. PERFORMANCE DATA															
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 Apr-11 (4)	+2 May-11 (5)	+3 Jun-11 (6)	+4 Jul-11 (7)	+5 Aug-11 (8)	6+ Sep-11 (9)							
a. PM BASELINE (BEGIN OF PERIOD)	2,045,889	100,492	82,007	79,578	90,926	76,330	78,259	137,829	653,426	960,017	977,374	708,748	2,932,517	0	6,232,083
b. BASELINE CHANGES AUTH DURING REPORT PERIOD															
AWA-PRC-11-029R0 Impact of 90Mil Rigid Liner Venting Requirements											682	0	0		682
BCR-030-11-011R0 Additional S&GWP FY 2011 Scope Adjustments											(8,368)	911	8,654		1,197
BCR-PRC-11-016R0 Accelerate Demolition of the 2736-Z-ZB Vaults											1,879	(1,173)	0		706
BCR-PRC-11-028R0 Change in Demolition Approach for the 181KE & 181KW Structures											1,577	0	0		1,577
BCRA-PRC-11-025R0 Adjustments to Fee											0	0	0		0
BCRA-PRC-11-026R0 Adjustment to Schedule Logic for Identified Milestones in PMB											0	0	0		0
BCRA-PRC-11-031R0 General Administrative Changes & FOC Changes for March 2011											0	0	0		0
BCRA-R30-11-003R0 Transfer of Scope Between ARRA Subprojects, RL-30											0	0	0		0
c. PM BASELINE (END OF PERIOD)	2,047,313		82,635	80,005	91,768	73,963	75,325	135,580	653,426	960,017	973,145	708,486	2,941,171	0	6,236,246
z. MANAGEMENT RESERVE															232,008
b. TOTAL															6,468,253

CONTRACT PERFORMANCE REPORT FORMAT 4 - STAFFING												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) 2011 / 02 / 21			
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788				b. PHASE			b. TO (YYYYMMDD) 2011 / 03 / 27			
			c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE NO						
5. PERFORMANCE DATA (All figures in whole numbers of equivalent month. One equivalent month equals on person working one month)													
FOC Group by FOC ITEM (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative)									AT COMPLETION (15)	
			SIX MONTH FORECAST						SPECIFIED PERIODS				
			+1 Apr (4)	+2 May (5)	+3 June (6)	+4 July (7)	+5 Aug (8)	+6 Sep (9)	FY12 (11)	FY13 (12)	FY14-18 (13)		
30B - WBS 98 PSD Distribution													
011.A1 - Project Specific Distributables	0	1	0	0	0	0	0	0	0	0	0	0	1
013.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0	0
030.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0	0
040.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	1
31 - Communications & Outreach													
000.1 - Communications & Outreach	14	359	15	15	15	15	15	15	15	101	81	22	653
	14	359	15	15	15	15	15	15	15	101	81	22	653
32 - Safety, Health, Security & Quality													
000.2 - Safety,Health,Security/Quality	132	2,938	106	106	106	106	106	106	106	770	608	165	5,117
	132	2,938	106	106	106	106	106	106	106	770	608	165	5,117
34 - Environmental Prog & Regulatory Mgmt													
000.4 - Environmental Prog & Regl Mgt	21	622	21	22	22	22	22	22	21	245	195	53	1,246
030.2 - Envr Prog & Regl Mgt	28	1,032	49	47	47	48	51	51	446	305	87		2,162
	49	1,654	70	68	69	70	73	72	691	501	140		3,408
35 - Business Services & Project Controls													
000.6A - Expense PSD	6	1,275	1	1	1	1	1	1	0	0	0		1,283
000.8 - Chief Financial Officer	130	3,388	124	124	124	124	124	124	1,049	862	245		6,288
000.9 - Chief Information Officer	0	0	0	0	0	0	0	0	0	0	0		0
011.9T - Ramp Up/Transition - Training	0	15	0	0	0	0	0	0	0	0	0		15
013.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0		1
013.9T - Ramp Up/Transition - Training	0	11	0	0	0	0	0	0	0	0	0		11
030.9F - Ramp Up/Transition - Fac	10	261	0	0	0	0	0	0	0	0	0		261
030.9T - Ramp Up/Transition - Training	0	7	0	0	0	0	0	0	0	0	0		7
040.9F - Ramp Up/Transition - Fac	0	2	0	0	0	0	0	0	0	0	0		2
040.9T - Ramp Up/Transition - Training	0	18	0	0	0	0	0	0	0	0	0		18
041.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0		1
041.9T - Ramp Up/Transition - Training	0	13	0	0	0	0	0	0	0	0	0		13
	146	4,993	125	125	125	125	125	125	1,049	862	245		7,900
36 - Prime Contract & Project Integration													
000.7 - Contract and Baseline Management	43	1,143	38	38	38	38	38	38	383	305	83		2,143
	43	1,143	38	38	38	38	38	38	383	305	83		2,143
39 - PS&S G&A Adder Offset													
000.5B - PS&S G&A Adder Offset	0	0	0	0	0	0	0	0	0	0	0		0
	0	0	0	0	0	0	0	0	0	0	0		0
3A - 100K Area Project & BOS D&D													
012.1 - 100 K Area Project	113	4,324	128	126	126	126	126	126	1,518	1,484	186		8,268
012.2 - Sludge Treatment Project	125	3,277	113	120	146	188	181	157	1,460	637	31		6,310
040.1 - PRC D&D	288	7,174	367	355	331	312	327	322	2,488	2,536	536		14,748
041.1 - River Zone	195	3,888	344	275	253	229	217	218	468	302	192		6,386
042.1 - FFTF	10	529	7	7	7	7	7	7	83	83	34		771
	730	19,193	958	883	862	861	858	831	6,017	5,041	980		36,483
3B - PFP Closure													
011.1 - Plutonium Finishing Plant	707	17,278	724	732	732	756	755	758	8,217	1,500	1		31,455
	707	17,278	724	732	732	756	755	758	8,217	1,500	1		31,455
3C - Waste & Fuels Management Project													
013.1 - Waste Management	823	22,494	866	857	892	888	868	861	7,583	8,157	2,673		46,138
013.3 - Solid Waste Variable	23	387	62	62	62	62	62	62	951	99	22		1,831
	846	22,882	928	918	954	950	930	923	8,534	8,256	2,695		47,969
3D - Soil & Groundwater Remediation													
030.1 - Soil & GW Remediation	436	10,614	401	397	401	377	372	358	5,470	4,496	1,493		24,377
040.2 - D&D Fac Waste Site Remediation	65	1,069	55	42	39	36	33	32	1,083	1,035	332		3,756
041.3 - Waste Sites	49	727	50	30	29	32	36	36	301	231	97		1,569
	550	12,410	505	469	469	444	441	427	6,854	5,762	1,922		29,702
3F - Engineering, Procurement & Construction Proj													
000.F - Eng/Procurement & Construction	40	755	30	30	30	30	30	30	213	169	46		1,362
013.2 - SNF Disposition	0	0	0	0	0	0	0	0	0	0	0		0
030.3 - EPC - Groundwater	165	1,805	73	74	74	73	82	95	106	43	49		2,475
	205	2,560	103	104	104	103	111	125	319	213	95		3,836
Grand Totals:	3,422	85,411	3,573	3,459	3,474	3,469	3,452	3,419	32,935	23,129	6,347		168,669

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) 2011/2/21	
b. LOCATION (Address and ZIP Code) Richland, WA 99354		b. NUMBER RL		b. PHASE Base and ARRA			b. TO (YYYY/MM/DD) 2011/3/27		
		c. TYPE CPAF	d. SHARE RATIO		c. EVMS ACCEPTANCE 2009/09/18 NO YES X				
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	101,916	96,163	109,389	(5,753)	-5.6%	(13,226)	-13.8%	0.94	0.88
Cumulative:	2,047,313	2,023,686	2,013,782	(23,627)	-1.2%	9,905	0.5%	0.99	1.00
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	6,236,246	6,236,246	0	0.0%	1.0	1.0			
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: An unfavorable current period schedule variance occurs in RL-11 (-\$.8M), RL-12 (-\$1.1M), RL-13 (-\$2.4M) and RL-41 (-\$3.9M) partially offset by a favorable variance in RL-30 (+\$2.6M). RL-11 unfavorable variance is due to work complexity of glove box removal, contamination events, longer shift ramp-up time, and additional respiratory protection requirement. RL-12 unfavorable variance is driven by the KOP subproject, where the pretreatment equipment required re-work after the operator training identified minor changes to the system, which prevented the fabrication of the KOP Processing equipment as planned. RL-13 unfavorable variance is due to MLLW shipment delays due to receiving facility inability to receive extra-large containers pending permit/building modifications and delay in receipt of M-91-42 waste feed from TRU Retrieval, delay in Trench Face Processing System procurement close-out due to on-going negotiations with vendor, and inability to characterize Standard Waste Boxes due to CCP's delayed start up of the High Energy Real Time Radiography (HERTR) equipment; I. RL-30 favorable variance is due to performance of prior month schedule for ZP-1 Tc-99 system inlet tank (SIT) installation. The PBS RL-41 unfavorable variance resulted from the 100-K Group 1 Remediation ahead of schedule performance taken in prior months on numerous sites and 100-K Group 3 structures remediation being placed on hold due to Utilities Upgrades not being completed. RL-40 and RL-42 variances are within reporting thresholds.</p> <p>Current Period Cost Variance: An unfavorable current period cost variance occurs in the Direct Projects. The notable unfavorable cost variances occur in: PBSs RL-11 (-\$1.5M), the unfavorable variance is primarily due to work complexity of glove box removal, including higher than estimated contamination and physical facility constraints, inefficiencies in staffing an involuntary P/Q shift, additional staff required to support breathing air versus PAPR work, and new Radiological Controls requirements. RL-12 (-\$1.8M) driven by the ECRTS subproject where two BCRs were planned to be implemented during the month (one for Annex Design risk incurred, and one for acceleration of the modification to the existing Annex), where work was initiated, but without approval of the BCRs, BCWS was not established. RL-13 (-\$2.0M) the primary unfavorable variance is due to continued CH TRU Retrieval cost overruns for Trench Face Retrieval and Characterization System (TFRCS) site prep and start up work, and increased labor costs for TRU Retrieval schedule recovery. RL-30 (-\$6.8M) primarily due to receipt of long lead ZP-1 Pump and Treat procurements and a point adjust in budget for the month to align the ZP-1 to revised schedules. RL-41 (-\$2.2M) where the 100-K Group 1 Remediation activities for 100-K42 were incorrectly charged for Base work this month and 116-KE-1 performance will be taken when waste is shipped to ERDF, and within the 100-K Group 3 structures where performance can't be taken until asbestos removal actually begins on a number of facilities. RL-40 and RL-42 variances are within reporting thresholds.</p> <p>Cumulative Schedule Variance: All PBSs are within variance thresholds. The unfavorable cumulative schedule variance, (-\$23.6M), occurs in the Direct Projects with all PBSs behind schedule, except RL-30 (slightly ahead of schedule) and RL-42 (on schedule). For the Direct Projects, the following cumulative unfavorable schedule variances are noted: for PBS RL-12 (-\$4.7M) the primary unfavorable variance occurs in the design and sampling of Engineered Containerized sludge; the design and testing for the Knock Out Pot Processing system and procurement of the MCOs; for PBS RL-13 (-\$10.2M) the primary unfavorable variance occurs in MLLW Treatment where shipment delays have occurred due to receiving facility's inability to accept extra-large sized waste shipments pending permit/building modification and delay in receipt of M-91-42 waste feed from TRU Retrieval, TRU Retrieval delays due to container shipping authorization, cancellation of remote controlled unit (robot) procurement and ETF Thin Film Dryer (TFD) vessel procurement (received, but does not meet 100% completion criteria). for PBS RL-40 (-\$6.1M) the primary unfavorable variance is due to delays in 200-E Admin Zone Facilities going to cold and dark due to Bio-hazard and Radiological contamination issues that took longer than planned to resolve thereby delaying asbestos abatement work at the 284E Powerhouse and also delays in grouting of the U-Plant Canyon cells due to contracting issues which have now been resolved. And for RL-41 (-\$3.2M) the primary unfavorable variance resulted from the 100-K Group 1 Remediation ahead of schedule performance taken in prior months on numerous sites and 100-K Group 3 structures remediation being placed on hold due to Utilities Upgrades not being completed.</p>									

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Explanation of Variance/Description of Problem (Continued):
<p>Cumulative Cost Variance: All PBSs are within variance thresholds. The significant favorable cumulative cost variance, (+\$9.9M), occurs in three primary areas: (1) Unfavorable cost variances (-\$4.2M) in direct projects, specifically PBSs RL-12, RL-30, and RL-41; (2) Favorable G&A/DD distribution variances (+\$23.0M) resulting from lower than expected G&A costs due to company level and Other Hanford Pass-back, lower assessments from MSA for Other Provided Services to PRC and a labor under run in project support staff related to ARRA ramp-up; and, (3) Unfavorable PSD Distribution (-\$8.9M) due to the increased cost of establishing the ARRA Mobile office complex and distribution of the CHPRC Rewards and Recognition Program which did not have BCWS. For the specifics on the favorable variances in Direct Projects see Sections A through G of this Monthly Report. For specifics on favorable variances in G&A and Direct Distributables see Appendix C.</p>
Impact:
<p>Current Period Schedule: For PBS RL-11 the primary impact is in D&D of process and lab areas and getting Z/ZB Complex ready for demolition. For PBS RL-40 the primary impacts occur in the start of field work on several O-Zone RTD sites and U-Plant D&D activities. For PBS RL-13 the primary impact is the Mixed Low Level Waste (MLLW) shipments delayed due to receiving facility's inability to accept extra-large sized waste shipments pending permit/building modification and delay in receipt of M-91-42 waste feed from TRU Retrieval. For PBSs RL-40 and RL-41, current period schedule impacts are the same as the CTD schedule impacts (see below). For PBS RL-12 KOP design and pretreatment activities are nearly recovered to meet the window of opportunity to sort and separate the KOP sludge in the KW Basin prior to shipment of Fuel MCOs. For PBS RL-30 the primary favorable impacts occur on the Construction Complex construction activities. For RL30 much of the current month positive schedule variance is due to point adjustments as a result of the implementation of change requests BCRA-R30-11-003R0 and BCR-030-11-011R0. For PBS RL-13 there is no current impact.</p> <p>Current Period Cost: For RL-12, the cost incurred for the Annex design subcontractor inception to date was authorized by CHPRC contracts. In addition, the project also initiated modifications to the existing 100K W Annex facility in preparation for the follow-on construction work. Once the BCRs are processed, this will correct the most of the one-month variance. For PBS RL-11 the current period cost impact is reflected in the variance at completion, which is further discussed in the CTD explanation below. For PBS RL-13 cost impact is in overruns for Trench Face Retrieval and Characterization System (TRFCS) site prep and start up work and increased labor costs for TRU Retrieval recover. For PBS RL-40, U-Ancillary project is using more resources than planned to recover schedule, at 212 N/P/R, more demolition debris than planned was disposed of at ERDF resulting in higher than anticipated disposal costs. Both are offset by efficiencies in other areas and no long-term impact is expected. Also, regulatory review delays have increased costs. For PBS RL-41 minimal impact is expected due to the overall positive variance.</p> <p>CTD Schedule: For PBS RL-30 no major project completion impacts are expected at this time. For PBS RL-40 finalizing the grouting contract for U-Canyon; delays with 200E Admin Buildings; delays with turnover of ALE facilities; more soil contamination than expected (realized risk); evaluation of site priorities; and extensive regulatory reviews (realized risk) are delaying waste site remediation completion. For RL-41, 100K Utilities Reroute delays have delayed structure demolition and waste site remediation. Additional soil contamination (realized risk) has impacted the schedule. For PBS RL-13, MLLW shipment delays due to receiving facility's inability to accept extra-large sized waste shipments pending permit/building modifications, and delay in receipt of feed from TRU Retrieval. For EFT, Thin Film Dryer (TFD) vessel received, but does not meet 100% completion criteria for performance. For PBS RL-11 focusing D&D field work teams on achieving the September 30, 2011, Key Performance Parameter (KPP) impacts other work. Even though there is a one-year impact to PRF D&D completion, and a nine-month impact to 242-Z D&D, the TPA Milestone M-083-43, <i>Complete Transition Of The 242-Z Waste Treatment Facility and 236-Z Plutonium Reclamation Facility To Support PFP Decommissioning</i>, will be completed by its 9/30/2013 due date. Field work teams have been re-assigned to support priority KPP glovebox removal. The total schedule impact of this change to the field teams is being evaluated and will be reflected in next month's update. For PBS RL-12 there is no CTD impact to the STP Project critical path. The subcontracts have been awarded for the Annex design and the existing annex modification and the work will be completed in time to support contract deliverables.</p> <p>CTD Cost: For all PBSs, except RL-12, there is an overall positive cost impact due to project efficiencies. However, negative cost variances are increasing for waste site remediation due to additional soil contamination removal (realized risk). There is no impact to cost for all other PBSs, except PBS RL-12, which had increased costs due to greater contamination removal required on the KE Basin Substructure (now complete) and in KW Operations due to increased staffing in FY2009, both of which are costs that will not recover further. The PBS RL-30 cost overruns are being managed and actions are being taken to funds manage cost over runs and under runs. For RL-11 an unfavorable variance at completion is forecast, due to realized risk, schedule delays, and corrective actions being undertaken to regain schedule, which include increased overtime, additional shifts, and extended resources/teams. The cost impact of extending D&D of 236-Z and 242-Z into FY13, due to teams re-assigned to support priority RMA/RMC KPP glovebox removal, is reflected in the spend forecast and contributes \$16.5M to the unfavorable variance at completion.</p>
Corrective Action:
<p>Current Period Schedule: For PBS RL-11 the focus continued on achieving the September 30, 2011, glovebox Key Performance Parameter (KPP). For PBS RL-12, the KOP processing equipment is near completely fabricated, it just wasn't delivered due to the re-work of the pretreatment material. The project expects delivery of the equipment in the April/May timeframe to allow for the fuel MCOs to be processed this year. For PBSs RL-40 and RL-41 the current period schedule corrective actions are the same as CTD schedule corrective actions (see below). For PBS RL30 much of the current month positive schedule variance is due to point adjustments as a result of the implementation of change request BCRA-R30-11-003R0 and BCR-030-11-0011R0 and does not require corrective action. For PBS RL-13 no corrective action required.</p> <p>Current Period Cost: For PBS RL-40 and RL-41 D&D, current cost variances are covered by efficiencies in other D&D areas. O-Zone Waste Site remediation current cost variances are favorable; no corrective action required. Cost overruns are being managed and actions are being taken to funds manage cost overruns and underruns. No cost corrective actions are required for PBS RL-13. For RL12, STP will work with the CHPRC change management organization and process the required change requests. For RL-11, evaluation of the total impact to cost (resulting from teams reassigned to focus on achieving the ARRA KPP) was completed.</p> <p>CTD Schedule: For PBS RL-30 no corrective action required. For PBS RL-40 insulators and other resources from other projects are being re-assigned to help recover schedule; additional management attention is focused on grouting contract for U-Canyon finalization and 209E project execution. For PBS RL-40 waste sites, discussions continue to resolve site priorities and reduce the timeline for regulatory reviews. PBS RL-41 has implemented a BCR to address additional soil contamination (realized risk). Schedule recovery actions are being explored to recover the D&D</p>

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structure demolition and waste site remediation schedule activities where they can to offset where other demolition and remediation activities have been delayed. For PBS RL-11 evaluation of the impacts to the 9/30/13 TPA Milestone were completed; the date is still achievable. Impacts to the baseline 9/30/13 project completion date continue to be evaluated. For PBS RL-13 recovery plans are being implemented for the CH TRU Retrieval issues, MLLW is identifying alternate candidates (within the size limitations of the receiving facility). For PBS RL-12, the ECRTS⁽²⁾ Annex design and existing annex modification BCRs will allow for the taking of appropriate performance for the work completed CTD. Sampling and analysis work is recovering at the laboratory, and the KOP Pretreatment activities have installed the equipment, performed Construction Acceptance Testing and are proceeding into the Readiness activities.

CTD Cost: For PBS RL-40 no corrective actions are required at this time. For PBS RL-41 change requests and REAs are being prepared to address additional soil contamination efforts not priced in the original contract. No corrective actions are required for D&D. For PBS RL-13 the favorable cost variance is expected to continue. For PBS RL-30 no corrective action required. For PBS RL-12, no corrective actions are required as this is mostly FY2009 actuals in the project area and the allocations were FY10 distributions. Also, a cost transfer to PBS RL-41 K West Basin Debris removal was considered and deemed unnecessary. For PBS RL-11, efficiencies expected from use of Aspigel[®], new containment approach, revised SCO process, and leaving equipment in place for removal during demolition are not expected to fully mitigate the increased staff/overtime required to mitigate schedule delays. The total impact to RL-11 is not recoverable; no further corrective actions are planned. For PBS RL-12, the ECRTS⁽²⁾ Annex design and existing annex modification change requests will allow for the taking of appropriate performance for the work completed CTD.

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

The 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 and the cumulative to date schedule variance worsened while the favorable cost variance continued to decline. Variance by PBS follows: RL-11 PFP D&D work complexity of glove box removal and 234-5Z D&D preparations has impacts both monthly and cumulative to date schedule variances however, the cumulative to date cost variances continue to be slightly positive for work completed; RL-12 Spent Nuclear Fuel reflects a significant current period unfavorable cost and schedule variances are driven by the ECRTS⁽²⁾ subproject where two change requests were planned to be implemented during the month (one for Annex Design risk incurred, and one for acceleration of the modification to the existing Annex), where work was initiated, but without approval of the change requests, BCWS was not established thus further degrading the cumulative variances; RL-13 Solid Waste Stabilization and Disposition unfavorable monthly and cumulative to date cost and schedule variances continue to grow and have occurred due to mixed low level waste shipment delays due to receiving facility's inability to accept extra-large sized waste shipments pending permit/building modification and delay in receipt of M-91-42 waste feed from TRU Retrieval; RL-30 Soil & Water Remediation has moved to a positive schedule variance but the cost variance continues to increase to make up schedule; RL-40 Nuclear Facilities D&D Remainder of Hanford current period variances are insignificant and unfavorable cumulative period variance primarily occurred in the 200 East Administrative Zone were completion of the cold and dark activities due to Bio-hazard and radiological contamination issues took longer than planned to resolve and is slightly offset by taking performance on accelerated scope for the Facilities Semi-Works Zone D&D; RL-41 Nuclear Facilities D&D RC Closure Project unfavorable monthly and cumulative period schedule variances are driven by 100-K Group 3 structures remediation being placed on hold due to Utilities Upgrades not being completed; and RL-42 FFTF continues to have no schedule variances and increasing favorable cost variances as it is being maintained in a cold and dry status. For the specifics on the corrective action plans in Direct Projects see Sections A through G of this Monthly Report.

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

Major Difference in EAC: There is an **increase** in the EAC this month over last month, specifically \$4.2 million. This change is due to four (4) change requests, AWA-PRC-11-029R0, "Impact of 90Mil Rigid Liner Venting Requirements", for \$0.7M; BCR-030-11-011R0, "Additional S&GWP FY 2011 Scope Adjustments", for \$1.2 million; BCR-PRC-11-016R0, "Accelerate Demolition of the 2736-Z-ZB Vaults", for \$0.7 million; and, BCR-PRC-11-028R0, "Change in Demolition Approach for the 181KE & 181KW Structures", for \$1.6million. The advanced work authorization initiates Change Order #139 work scope as American Recovery & Reinvestment Act (ARRA) scope into the performance measurement baseline for the period February 21, 2011, through may 22, 2011. The 2nd change request on additional soil & groundwater project FY 2011 scope adjustments defers identified low priority FY 2011 scope based on RL priorities and also reduces the estimate on other identified FY 2011 scope. The 3rd change request accelerates demolition of the 2736-Z-ZB vaults from FY 2012 into FY 2011 as ARRA scope per RL direction (see Attachment 2 in change request); and, the final change request adjusts the demolition approach for the identified structures based on a recent cultural resources review document. Management reserve, in the amount of \$2.3 million, is used in March 2011 as documented in change requests BCR-PRC-11-028R0 and BCR-PRC-11-016R0 (see **Use of Management Reserve** below).

Variance in Estimated Contract Budget Base at Completion: There is an **increase** in the estimated contract budget base at completion over last month, specifically an **increase** of \$1.9 million. This change is due to the four (4) change requests discussed above in the **Major Difference in EAC** plus the offsetting use of management reserve in March 2011. Management reserve, in the amount \$2.3 million, is used in March 2011 as noted below in **Use of Management Reserve**. Contract modification 147, issued in February 2011, documents the current contract budget base as definitized into the Plateau Remediation Contract (PRC). The current PRC Baseline includes more work scope, primarily Base work scope, than definitized into the PRC contract through contact modification 147. Since all of the work scope documented in the PRC Baseline has not yet been approved by RL for definitization into the contract, there is a variance at completion over the current PRC contract budget base. Efforts continue to better align the PRC Baseline contract budget base to the PRC contract budget base.

Use of Management Reserve: Management reserve, in the amount \$2.3 million, is used in March 2011 as follows: (1) \$0.7 million for RL-0011 demolition scope due to demolition estimate uncertainties associated with ARRA scope (demolition of the 2637-Z-ZB vaults); and, (2) \$1.6 million of management reserve (\$0.8million ARRA and 0.8million Base) to cover realization of risk KBC-020, "Ecological/Cultural Conditions Restrict Field Activities" associated with the new demolition approach for the 181KE structure (ARRA) and the 181KW structure (Base). Overall, management reserve in March 2011 is **reduced** from \$234.3 million to \$232.0 million.

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 March 2011 over February 2011 due to implementation of change requests as discussed above in Major Difference in EAC.

Prepared by: Schilling, Bert	Date: 4/26/11	Approved by:	Date:
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(1) = Trench Face Retrieval & Characterization System; (2) = Engineered Containers Retrieval and Transportation System; (3) PSD R&RP = Project Specific Distributables Rewards & Recognition Program; (4) DCAA = Defense Contract Audit Agency; (5) Powered Air Purifying Respirator; (6) Maintenance and Storage Facility (MASF)