

TPA Quarterly Review



Tri-Party Agreement

River Corridor Milestones:

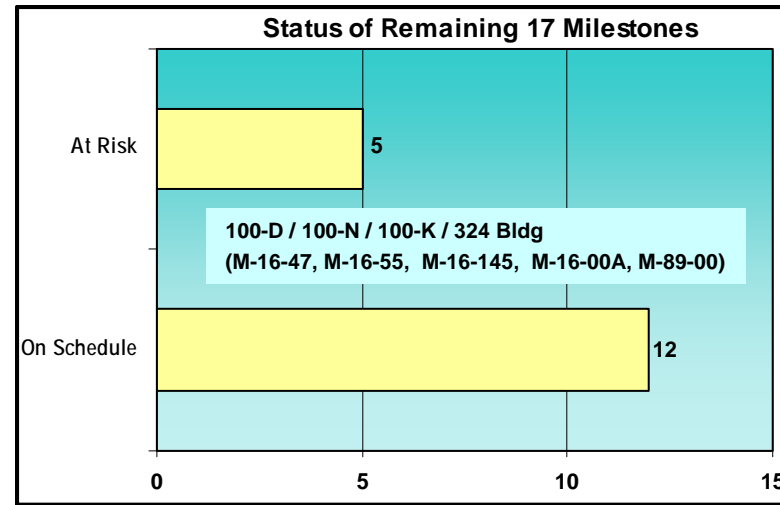
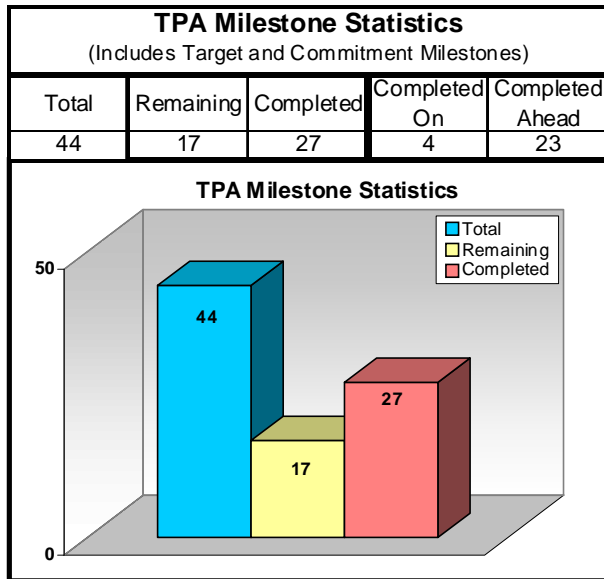
M-16

M-93

M-89

M-94

U.S. Department of Energy
U.S. Environmental Protection Agency
Washington State Department of Ecology



Quarterly Summary (June – August 2010)

- Completed one TPA target milestone:
 - M-16-51-T02 - Complete Excavation of a Total of 3 of 5 100-H Burial Grounds (118-H-1,-2,-3,-4, or -5) (due 12/31/10) - 7/8/10
- No TPA change requests were approved during the past quarter. TPA change request M-16-09-06 (proposes removal 100-D-31:11 and 100-D-31:12 from milestone scope) is awaiting Ecology signature.

RIVER CORRIDOR CLOSURE PROJECT

For Period: June – August 2010

TPA MS No.	Compliance Date	Title	Status	Comments
M-16 Milestones - Remedial Action (milestones through 12/31/2011 and "at risk")				
M-16-64	09/30/10	Complete Interim RA, Except Revegetation, for Following 300-FF-2 Waste Sites (300-259, 303-M SA, 303-M UOF, UPR-300-46, UPR-300-17, and 618-1)	On schedule	
M-16-51	12/31/11	Complete Interim RA for 100-H Area	On schedule	
M-16-47	12/31/11	Complete Interim RA for 100-D Area	At risk	Delays in obtaining regulatory approval of closeout documents and its impact on backfill put milestone at risk. Additionally, TPA CR M-16-09-06 proposes removal of several 100-D-31 segments.
M-16-55	12/31/12	Complete Interim RA for 100-N Area	At risk	Remediation started in August 2010. Remediation of some sites under buildings and reactor footprint require further negotiation and places milestone at risk, as well as completion definition/requirements for in-situ bioremediation.
M-16-145	12/31/12	Complete Interim RA for 100-K Area Facilities and Waste Sites not Included as Phase 1,2, or 3 Work	At risk	Sites in this milestone are those listed in IROD prior to August 2009. Three sites (600-29, 100-K-78, 128-K-2) included in this milestone are currently not in WCH contract for remediation, and require an approved REA prior to performing design and another REA for remediation.
M-16-00A	12/31/12	Complete All Interim RA for 100 Area Units, with Exception of 100-K Area, by Specified Due Date as Approved in a RDR/RAWP	At risk	Milestone at risk due to M-16-55 and M-16-145; RL has started preparation of change package M-16-10-03 to clarify scope.

RIVER CORRIDOR CLOSURE PROJECT

For Period: June – August 2010

TPA MS No.	Compliance Date	Title	Status	Comments
M-89 Milestone - 324 Bldg Non-Permitted MW Units Closure				
M-89-00	09/30/12	Complete Closure of Non-Permitted Mixed Waste Units in 324 Bldg REC B-Cell, REC D-Cell, and High Level Vault	At risk	Breached 324 B-Cell liner could impact facility removal design and delay completion of milestone.
M-93 Milestone - Reactors Final Disposition				
M-93-20	09/30/12	Complete 105N Reactor ISS	On schedule	ISS in progress.
M-94 Milestone - 300 Area Surplus Facilities Disposition (milestones through 12/31/2011)				
M-94-08	12/30/11	Complete Removal and/or RA for 11 of Following Facilities: 305B, 306E, 306W, 307 Retention Basins, 308, 309, 321, 323, 324, 324B, 327, 333, 340, 3706, and 3720	On schedule	305B, 306E, 333 completed under M-94-06 (March 2008). 3706, 306W, 3720 completed under M-94-07 (March 2009).

Significant Accomplishments – For Last 3 Months:

M-16 – Remedial Action / Risk Assessment:

- Continued concrete demolition work at 100-C-7.
- Awarded 100-D/100-H Areas remaining sites subcontract.
- Completed trenching and potholing at 100-K-2 Burial Ground.
- Initiated remediation at 100-N Area.
- Completed backfill at 618-1 Burial Ground.
- Continued planning to address potential beryllium concerns, particularly for investigating and remediating 300 Area process sewer lines.
- Continued development of River Corridor Baseline Risk Assessment report.
- Supported RI/FS field investigation borehole and well drilling activities in 100-B/C, 100-K, 100-D/H, 100-F, and 300 Areas of the river corridor.
- Working with MSA, submitted draft integrated Segment 1 turnover package outline to RL.
- Received approval of 16 waste site closure documents during this reporting period.
- American Recovery and Reinvestment Act (ARRA) – Awarded subcontract for 100-F Area remediation.
- ARRA – 618-10 non-intrusive characterization report in final preparation.
- ARRA – Commenced 618-10 intrusive characterization activities.

M-89 – 324 Bldg Non-Permitted MW Units Closure:

- Completed loadout activities to dispose of waste from B-Cell sump; final shipment sent to Central Waste Complex.
- Continued asbestos abatement activities.

M-93 – Reactors Final Disposition:

- Continued 109N safe storage enclosure (SSE) structural steel erection.
- Continued 105N above/below-grade demolition and loadout; continued SSE design.

M-94 – 300 Area Surplus Facilities Disposition:

- Began 327 hot cell shipments to ERDF for disposal.
- Initiated demolition of 327 building.
- Completed below-grade demolition of 315 complex.



100-C-7 Excavation Waste Site



109N Safe Storage Enclosure Erection

Significant Accomplishments – For Last 3 Months (cont'd):

ERDF:

- For period of June through August 2010, disposed nearly 480,000 tons of waste in ERDF.
- Started disposal of 327 hot cell special shipments.
- ARRA – Construction of Super Cell 9 is ~ 86% complete; Super Cell 10 is ~ 78% complete.
- ARRA – Started construction of fueling station.
- ARRA – Mobilized for construction of equipment, container, and truck maintenance buildings.
- ARRA – Issued work order to PNNL for container GPS units.



Super Cells 9/10 Liner Installation

Significant Actions Planned – For Next 3 Months:

M-16 – Remedial Action / Risk Assessment:

- Begin 100-D remaining sites remediation.
- Initiate 118-K-1 Trench I silo remediation.
- Begin 100-N bioremediation activities.
- ARRA – Begin 100-F remediation.
- Deliver Draft B of the RCBRA report ecological and human health volumes to RL/regulators for review.

M-89 – 324 Bldg Non-Permitted Mixed Waste Units Closure:

- Complete drilling platform, and initiate horizontal drilling to obtain dose profiles under B-Cell.
- Continue hazardous waste and asbestos removal.

M-93 – Reactors Final Disposition:

- Begin 105N Fuel Storage Basin above-grade demolition.
- Begin installing 109N SSE roof panels.

M-94 – 300 Area Surplus Facilities Disposition:

- Complete 327 above-grade demolition.
- Continue shipping gloveboxes from 308 laboratory to Perma-Fix.
- Complete explosive above-grade demolition of 309 stack, and 337 Technical Management Center/337B High Bay Wing.
- Accept transfer of 307 Basins, 310 TEDF, and 340 facilities for disposition.

ERDF:

- ARRA – Start placement of operations layer in Super Cell 9.
- ARRA – Start placement of primary drain rock in Super Cell 10..

PERFORMANCE SUMMARY (includes ARRA)
Contract Inception (8/25/05) through August 2010
 (\$K)

	IPB		CUMULATIVE			Previous Quarter Comparison			
	BAC	EAC	BCWS	BCWP	ACWP	SCHEDULE VAR (\$)		COST VAR (\$)	
						May	Aug	May	Aug
D4	663,906	565,623	320,623	367,916	254,736	64,573	47,293	122,998	113,180
Reactor ISS	120,767	127,333	77,163	55,276	53,845	-19,633	-21,887	3,048	1,431
Field Remediation	625,448	632,236	347,698	330,053	288,749	-3,220	-17,645	37,998	41,304
Waste Operations	423,295	395,751	211,522	274,463	231,915	52,864	62,941	21,505	42,548
ESFC	53,905	65,573	39,047	39,806	36,719	1,124	759	3,635	3,087
Mission/General Support	325,781	417,760	199,413	199,413	198,350	0	0	-1,772	1,063
Transition	3,979	3,747	3,979	3,979	3,747	0	0	232	232
Contingency	135,772	135,772							
TARGET COST TOTAL	2,352,853	2,343,794	1,199,445	1,270,907	1,068,060	95,708	71,462	187,644	202,847

Schedule Variance (PMB): \$71,462K

- Acceleration of 300 Area and 100-N Area building demolitions.
- Stop-work at KE/KW Reactor ISS (RL direction).
- Accelerated remediation work at 100-B/C, 100-D, 100-H Areas; offset by negative variances associated with CLIN 3 and 100-K/300 Area descope, as well as delays of miscellaneous restoration and 100-IU-2/6 waste sites.
- ERDF Super Cells 9/10 construction ahead of schedule.
- ERDF transportation, treatment, and disposal support to accelerated work in FR and D4 Projects.

Cost Variance (PMB): \$202,847K

- Significant underruns experienced in 300 Area building characterization, deactivation, and demolition activities.
- 100-D/F/K and 100-IU-2/6 remediation underruns. Partially offset by significant project support costs at all active dig sites, particularly in the 300 Area.
- Costs have been less than planned due to Waste Operations efficiencies achieved in waste treatment, transportation, and construction. These efficiencies and increased waste volumes have more than offset cost overruns in direct project support.

ARRA - Performance Summary
April 2009 through August 2010
 (\$K)

	IPB		CUMULATIVE			Previous Quarter Comparison			
	BAC	EAC	BCWS	BCWP	ACWP	SCHEDULE VAR (\$)		COST VAR (\$)	
						May *	Aug *	May *	Aug *
RL0041.R1.2 - Cell 9 / ERDF	51,361	45,275	35,985	43,984	37,451		7,999		6,533
RL0041.R1.3 - Acc Rem / ERDF	55,321	45,128	19,233	17,600	9,239		-1,633		8,361
RL0041.R1.4 - Cell 10	35,045	26,925	10,186	27,239	17,946		17,053		9,293
RL0041.R2 - 618-10	66,340	66,340	17,637	21,283	24,907		3,646		-3,624
Contingency	11,115	11,115							
TARGET COST TOTAL	219,181	194,783	83,042	110,106	89,543		27,064		20,563

* RL0041.R1.2, R1.3, and R1.4 were realigned for reporting purposes beginning in June 2010.

Schedule Variance (PMB): \$27,064K

- ERDF cell construction, equipment purchases, and various projects are running ahead of schedule.
- Repairs of Hanford site roads, GPS tracking system, overhead line burial, and fuel station construction projects behind schedule.
- Infrastructure design completion ahead of schedule, as well as non-intrusive characterization at 618-10. Intrusive characterization work was replanned to better reflect the start due to final hazard categorization and beryllium delays.

Cost Variance (PMB): \$20,563K

- ERDF cell construction and disposal upgrades are realizing efficiencies.
- ERDF equipment and facility upgrade costs less than budgeted.
- Fewer comments received and streamlining the confirmatory sampling process (e.g., use of fewer sub-sites than originally planned) have resulted in positive cost variances in several accounts.
- 618-10 water line design has expended additional costs evaluating alternatives, and costs for safety documentation were significantly greater than planned. Safety documentation approval delays have resulted in change notices from subcontractor for schedule extensions.

RCC Issues

- Continued delays in obtaining approved 100-D closure documents could affect milestone completion.
- Determining impact of breached 324 B-Cell sump liner. Could affect 324 plan and schedule.