

TPA Quarterly Review



Tri-Party Agreement

River Corridor Milestones:

M-16

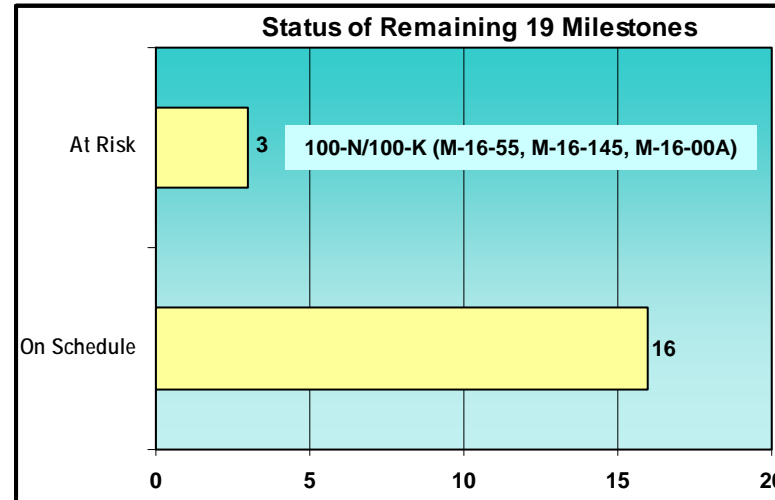
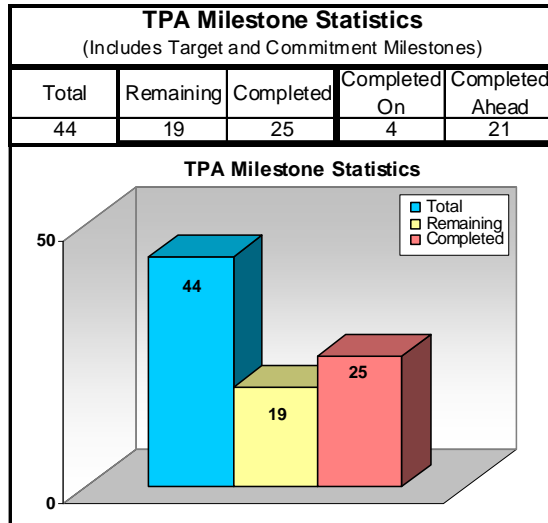
M-93

M-89

M-94

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

Protecting the Columbia River



Quarterly Summary (December 2009 – February 2010)

- Completed one TPA milestone:
 - M-16-62 – Complete Interim Remedial Actions, Except Revegetation, for the Following 300-FF-2 Waste Sites: 300-8, 300-18, 300-VTS, 600-47, 600-259, 618-2, 618-3, 618-5, 618-7, 618-8, and 618-13 (due 12/31/2012) - 2/25/10
- No TPA change requests were approved during the past quarter. TPA change request M-16-09-06 (100-D Area) is ready for approval.

RIVER CORRIDOR CLOSURE PROJECT

For Period: December 2009 – February 2010

TPA MS No.	Compliance Date	Title	Status	Comments
M-16 Milestones - Remedial Action (milestones through 12/31/2011)				
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	Completion expected summer 2010.
M-16-94	11/30/10	Complete Interim RA at 22 100-B/C Area Waste Sites	On schedule	Revegetation is complete. Closure documentation in progress.
M-16-51-T02	12/31/10	Complete Excavation of 3 of 5 100-H Burial Grounds	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	On schedule	TPA CR M-16-09-06 proposes removal of 100-D-31 Segment 12.
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	On schedule	
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:

- Completed 100-B/C backfill and revegetation campaign.
- Initiated design process for 100-C-7.
- Completed 100-H demobilization; initiated suspect SNF characterization.
- Completed verification sampling of 618-1 Burial Ground; evaluating data.
- Began 100-N bioremediation respirometry test.
- Continued excavation and loadout of 300 Area building slabs/waste sites.
- Completed Phase IIb (indicator contaminant screening) fieldwork for groundwater upwelling survey using the Trident Probe technology (in support of remedial investigation of Hanford Site releases to Columbia River). Phase III characterization activities (sampling) are ongoing.
- Issued 100-N Area Orphan Sites Evaluation Report, Rev. 0.
- Held meeting with MSA and PRC to discuss long-term stewardship program plan development; agreed to establish multi-project team.
- Approved 15 waste site closure documents during this reporting period.
- ARRA – Continued 618-10 vertical pipe unit (VPU) radiological characterization activities; initiated trench VPU radiological characterization.
- ARRA – Awarded contract for intrusive characterization of 618-10 trenches.

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

- Continued 324 B-Cell decontamination.
- Awarded subcontract for 324 hot cell disposition.
- Continued characterization and demolition planning.

M-93 – Reactors Final Disposition:

- Began 109N safe storage enclosure (SSE); continued 105N SSE design.
- Continued 105N east side above-grade demolition and loadout.

M-94 – 300 Area Surplus Facilities Disposition:

- Completed 327 canyon stabilization.
- Completed installation of 327 temporary wall cover and continued gantry installation to facilitate removing hot cells.
- Continued above-grade demolition of 338 Maintenance Building.



Deployment of Power-Grab Sediment Sampler Unit in Support of Columbia River Remedial Investigation



N-Reactor Demolition

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

ERDF:

- Began truck-and-pup transportation for 100-D and 100-IU remediation.
- For period of December 2009 through February 2010, disposed more than 283,000 tons of waste in ERDF.
- ARRA – Completed Super Cell 9 excavation (~ 1.9M cubic yards).
- ARRA – Started excavation of Super Cell 10.
- ARRA – Received 150 new waste containers, 10 disposal shuttle trucks, and 1 water truck.



Truck-and-Pup and Super Dump ERDF Disposal Operations

Significant Actions Planned – For Next 3 Months:

M-16 – Remedial Action / Risk Assessment:

- Complete verification sampling of 100-H waste sites.
- Award 100-N remaining sites remediation subcontract.
- Support remedial investigation for Hanford Site releases to the Columbia River by: 1) completing Phase III groundwater upwelling characterization activities, and 2) completing walleye collection activities.
- Deliver Draft B of the RCBRA report ecological and human health volumes to RL/regulators for review.
- ARRA – Conduct 618-10 VPU soil sampling project startup review activities.

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

- Continue hot cell stabilization activities.
- Continue deactivation/decommissioning of 324 support areas.
- Begin demolition of 324 High Bay.

M-93 – Reactors Final Disposition:

- Begin 105N excavation and below-grade demolition.
- Complete 109N SSE joist/wall/roof panel fabrications.

M-94 – 300 Area Surplus Facilities Disposition:

- Remove 327 hot cells from building and stage for packaging.
- Continue shipping gloveboxes from 308 laboratory to Perma-Fix.
- Accept transfer of 307 Basins, 310 TEDF, and 340 facilities for disposition.

ERDF:

- ARRA – Procure, produce, and place admix for Super Cell 9.
- ARRA – Issue notice to proceed for design/build for container, equipment, and truck maintenance facilities.

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

	IPB		CUMULATIVE			Previous Quarter Comparison			
	BCWS	EAC	BCWS	BCWP	ACWP	SCHEDULE VAR (\$)		COST VAR (\$)	
						Nov	Feb	Nov	Feb
D4	659,672	532,658	273,617	326,811	213,189	61,666	53,194	115,167	113,622
Reactor ISS	119,178	113,064	64,328	47,225	43,616	-14,272	-17,103	4,926	3,609
Field Remediation	555,616	557,012	275,787	284,842	243,711	17,911	9,055	28,295	41,131
Waste Operations	390,788	394,453	153,193	187,254	183,677	30,429	34,061	-2,621	3,577
ESFC	52,293	54,570	34,901	36,556	32,553	185	1,655	2,046	4,003
Mission/General Support	328,974	343,400	179,148	179,148	182,347	0	0	-6,019	-3,199
Transition	3,979	3,747	3,979	3,979	3,747	0	0	232	232
Contingency	170,181	170,181							
TARGET COST TOTAL	2,280,681	2,169,086	984,953	1,065,816	902,840	95,918	80,863	142,025	162,976

Schedule Variance (PMB): \$80,863K

- Acceleration of 300 Area and 100-N Area building demolitions.
- Stop-work at KE/KW Reactor ISS (RL direction).
- 100-D/H burial grounds accelerations and early completion of 100-B-14 and 100-C-9; partially offset by delays at 100-K burial grounds, 300 Area waste sites, 100-IU-2/6, and 618-10/11 Burial Grounds.
- Transportation, treatment, and disposal support to accelerated work in FR and D4 Projects.

Cost Variance (PMB): \$162,976K

- Significant underruns experienced in 300 Area building characterization, deactivation, and demolition activities.
- 100-D/F/H and 300 Area burial grounds remediation underruns. Partially offset by increased costs for 118-K-1 FY06-08 remediation/shutdown costs and FY09-10 restart costs, and by significant project support costs at all active dig sites.

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

	IPB		CUMULATIVE			<i>Previous Quarter Comparison</i>			
	BCWS	EAC	BCWS	BCWP	ACWP	SCHEDULE VAR (\$)		COST VAR (\$)	
						Nov	Feb	Nov	Feb
RL0041.R1.2 & .3 - ERDF	91,918	91,918	20,362	28,008	25,388	5,348	7,646	-1,106	2,620
RL0041.R1.2 - M/G Support	1,704	1,704	1,704	1,704	1,619	0	0	46	85
RL0041.R1.3 -Acc Rem	1915	1915	533	980	629		447		351
RL0041.R2 - 618-10	16,552	16,552	5,643	7,916	9,572	463	2,273	-1,576	-1,656
Contingency	4,705	4,705							
TARGET COST TOTAL	116,794	116,794	28,243	38,608	37,207	5,811	10,365	-2,636	1,400

Schedule Variance (PMB): \$10,365K

- ERDF equipment purchases and various projects are running ahead of schedule.
- Cone penetrometer installation completed ahead of schedule, masking delays in the characterization.

Cost Variance (PMB): \$1,400K

- ERDF cell construction and disposal upgrades are realizing efficiencies.
- 618-10 water line design is expending additional costs evaluating alternatives.

RCC Issues

- Next steps and path forward regarding continued use of RESRAD for chemicals.
- Obtaining approval of 100-D waste site closeout documents.