0071832

River Corridor/FFTF
Tri-Party Agreement Milestone Review
Meeting Minutes
September 21, 2006

Approval: _____ Date: 11/16/06
J. Hedges (H0-57)
Ecology IAMIT Representative

Approval: _____ Date: 11/9/06
M.S. McCormick (A5-11)
DOE IAMIT Representative

Approval: _____ Date: 11/16/06
N. Ceto (B1-46)
EPA IAMIT Representative, Chairperson

Minutes Prepared by:

Sonya Moore Date: 11-16-06
S.L. Moore (H8-40)
Fluor Hanford, Inc.

Almquist, R.S.	RL	A3-04	Guercia, R.F.	RL	A3-04
Ayres, J.M.	Ecology	H0-57	Harris, S.	CTUIR*	
Bartus, D.	EPA	H0-57	Hedges, J.	Ecology	H0-57*
Bazzell, K.D.	RL	A3-04	Henry, D.	OOE*	
Biagini, K.P.	RL	A4-35	Horst, L.	OOE*	
Bilson, H.E.	FH	H8-20	Hyatt, J.E.	FH	H8-40
Bond, R.	Ecology	H0-57	Jackson, D.E.	RL	A4-52
Bohnee, G.	NPT*		Jim, R.	Yakama*	
Boyd, A.	EPA	B1-46	LaRue, D.N.	WCH	H0-20
Brown, M.J.	Ecology	H0-57	McCormick, M.S.	RL	A5-11
Butler, D.H.	WCH	H0-34	Niles, K.	OOE*	
Cameron, C.E.	EPA	B1-46*	Pettiette, P.L.	WCH	H0-21
Ceto, N.	EPA	B1-46*	Piippo, R.E.	FH	H8-12*
Chapin, D.H.	RL	A3-04	Price, J.	Ecology	H0-57
Chalk, S.E.	RL	A7-75	Romine, L.D.	RL	A6-33
Cimon, S.	ODE		Skinnarland, E.R.	Ecology	H0-57
Clark, C.E.	RL	A5-15	Walsh, J.L.	WCH	H0-20
Cusack, L.	Ecology	H0-57*	Weis, J.J.	RL	
Doebler, S.V.	FH	N2-51	Whalen, C.	Ecology	H0-57
Farabee, A.	RL	A3-04	Wolf, A.	CTUIR*	
Fox, M.B.	WCH	H0-20	Administrative Record		H6-08*
Franco, J.R.	RL	A3-04	*w/Attachment		
Frey, J.A.	RL	A5-13			
Gallagher, R.G.	FH	H5-20			

River Corridor/FFTF
Tri-Party Agreement Milestone Review
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September 21, 2006

River Corridor Project portion of M-016/M-089/M-092-12/M-092-16/M-093/M-094

M-016-46, Initiate Remedial Actions for Remaining Waste Sites for 100-D Area.
RL stated this was completed on 6-13-06, ahead of schedule. Ecology asked RL to explain what was done to take credit for having completed this milestone. RL noted that they initiated remediation at two waste sites with a subcontractor; this work started on 6-13-06 and has been continuing ever since. Ecology questioned the fact that when the work started there was only one ERDF can at the site and asked if filling that one can was enough to justify completion of the milestone. WCH stated that they can move additional cans to the site on an as needed basis as they are already in the 'system.' Ecology asked that since more waste is being generated, why weren't more cans moved to the site. The original plan was to stockpile the soils removed from the waste site.

Ecology asked how much soil has been sent to ERDF. RL and WHC both stated they do not believe any soil has gone to ERDF. RL expects to have the next contractor working in October and are pulling backfill out of D56 now.

M-016-45 to -60: A Change Request for M-016-60 was approved on 9-14-06 to move the due date out to 4-30-07. Ecology asked if M-016-45 would complete interim remedial action for all waste sites at 100-B/C Area. WHC explained that M-016-94 was created to cover all other (orphan) waste sites not covered by M-016-45. M-016-57 is showing as unrecoverable based on information from K Basins that M-034-32 is not achievable. M-016-57 is dependent on M-034-32 completion.

M-093-19, Submit 105-N/109-N Reactor ISS Design Report, was completed and submitted to the Regulators on 9-7-06, three years ahead of schedule.

D4 Closure Project. Referring to the pictures on page 7 of the handout, demolition/loadout has been completed on several buildings in 100 and 300 Areas. The pipe at 163N has been pulled down and sent to ERDF. Deactivation of 333 was completed and demolishing started on 9-20-06.

Field Remediation Closure Project. Plan to award a contract for remediation of 300 Area waste sites by the end of this Fiscal Year. Dealing with anomalies at 118-K-1 Burial Ground as they are discovered.

Ecology sent a letter stating it appears RL is going down the cleanup verification package (CVP) path and it is Ecology's belief RL needs to follow the Hanford past practice strategy. The fundamental issue is whether or not additional data is necessary – Ecology believes it is and RL does not. Hanford past practice strategy says additional data will be collected. RL considers this part of the risk assessment process to determine if additional samples are needed. Ecology is not

sure that this is part of the risk assessment. If the Regulators have stated they need more samples, this should be put into the baseline planning. RL states this type of issue is not an automatic change to an RL baseline, but if additional sampling proves to be needed, the change will most likely be handled by the use of management reserve and/or contingency. Ecology is concerned that this appears to be similar to the M-15 issues. RL stated the risk assessment is part of remedial investigation and they are developing DQOs to determine what the data needs are.

End State and Final Closure Project. Ecology believes RL needs additional scope in the Columbia River Component Data Evaluation Summary Report (WCH-91). RL noted they sent a letter to WCH requesting they provide a cost estimate for performing this work. RL has two issues associated with time on this process: 1) they need to get an estimate for the scope of work; and, 2) this is new scope to the contract and requires HQ approval. HQ is aware of this issue and RL has been communicating with them.

WHC is still working to fix the problems associated with the 100-D-56 waste site chromium contamination. RL stated the site is looking at the bigger picture and responding to new discoveries on a standard basis. They are aware of it and looking for it.

RL is working with EPA to see if additional sampling needs to be done at the 300 Area 618-2 Burial Ground. The drum that was mistakenly sent to ERDF has been retrieved and is at CWC now.

Integration issues. An integrated plan is being discussed with groundwater, WCH, RL, and FH activities to ensure agreement on how to move forward on the chromium source investigation and remediation.

Fast Flux Test Facility (FFTF) Deactivation

M-081-00 Series, Complete FFTF Facility Transition

RL noted that FFTF is either on schedule or has completed all of its milestones.

RL has completed the sodium drain of the Interim Decay Storage (IDS) vessel almost two years ahead of schedule. All Core Component Pots (CCPs) have been offloaded, placed in two storage containers, and have been transferred to the Fuel Storage Facility (FSF).

Continue work the T3 Cask Safety Analysis Report for Packaging (SARP) addendum. Shipping activities will take 9-12 months since there are only two T3 casks available. RL is working towards having the SARP addendum approved by August 2007 and will start shipping the sodium bonded fuel to Idaho.

Work on the auxiliary shutdown activities has slid a little because of the focus on the sodium drain. The contractor will be directed to stop all activities by end of FY 07 with exception of those activities needed to ship to Idaho. RL expects to go to a Surveillance & Maintenance mode by August 2009, and is requesting a revised life cycle estimate.

Work continues on the RCRA/State Dangerous Waste permitted storage work in order to store the CCPs in FSF. RL has discussed a path forward with the Regulators. The two storage containers will need a 'catch pan' under them to provide visible evidence they are not leaking. They will also be under an inert gas blanket. Ecology stated they are willing to do a temporary authorization to allow for storage until the permit is approved.

River Corridor Closure Project

TPA Quarterly Review

For period: June 2006 – August 2006

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

September 21, 2006

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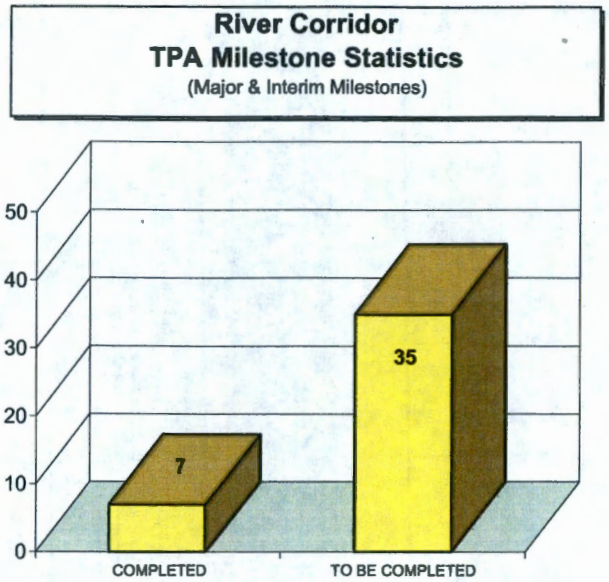
RIVER CORRIDOR CLOSURE PROJECT



	Compliance Due Date	To Be Completed	Milestone Number	Compliance Due Date	Milestone Number	Compliance Due Date
M-16 Remedial Design / Remedial Action Risk Assessment	**9/30/2018** **(M-16-00B)**	**24**	***M-16-70 (C)***	***10/30/05***	M-16-58	04/30/09
			M-16-63 (C)	***12/31/05***	M-16-52	07/31/09
			M-16-46 (C)	***07/31/06***	M-16-64	09/30/10
			M-16-45	12/31/06	M-16-51	12/31/10
			M-16-60	12/31/06	M-16-47	12/31/11
			M-16-67	03/31/07	M-16-74	09/30/12
			M-16-57	04/30/07	M-16-53	12/31/12
			M-16-72	06/30/07	M-16-55	12/31/12
			M-16-50	07/31/07	M-16-62	12/31/12
			M-16-54	07/31/08	M-16-00A	12/31/12
			M-16-73	09/30/08	M-18-75	09/30/13
			M-16-49	12/31/08	M-16-69	09/30/15
			M-16-56	12/31/08	M-16-00B	09/30/18
			M-16-61	12/31/08		
M-93 Reactors on Rive Final Disposition	**TBD** **(M-93-00)**	**4**	***M-93-18 (C)***	***12/31/05***	M-93-22	09/30/11
			M-93-23 (C)	***07/31/06***	M-93-20	09/30/12
			M-93-19	09/30/09	M-93-00	TBD
M-89 Closure of 324 Bldg Non-Permitted Mixed Waste Units	**9/30/2010** **(M-89-00)**	**1**	M-89-00	09/30/10		
M-94 300 Area Surplus Facilities Demolition	**9/30/2015** **(M-94-00)**	**6**	***M-94-01 (C)***	***12/31/05***	M-94-03	09/30/10
			M-94-05 (C)	***09/30/06***	M-94-08	12/31/11
			M-94-06	12/30/07	M-94-09	09/30/13
			M-94-07	12/30/09	M-94-00	09/30/15
Milestones to be Completed		**35**	**7 --- MILESTONES COMPLETED IN FY06 *(C)***			

RIVER CORRIDOR
FY 2006 TPA MILESTONE SUMMARY

Status as of: August 31, 2006

Project	Milestone	Title	Compliance Date	Forecast/ Actual Date	Completed		Forecast			Unrecoverable	To Be Deleted
					Ahead Schedule	On Schedule	Ahead Schedule	On Schedule	Behind Schedule		
ESFC	M-16-70	Begin Sampling to Support the 100 Area and 300 Area Component of River Corridor Baseline Risk Assessment	10/30/2005	10/13/2005 (A)	X						
ISS	M-93-18	Complete 105-H Reactor Interim Safe Storage	12/31/2005	10/20/2005 (A)	X						
FR	M-16-63	Submit a Schedule and TPA Milestones to Complete Interim Remedial Actions for 300-FF-2 Waste Sites and Confirmatory Sampling of 300-FF-2 Candidate Sites	12/31/2005	12/29/2005 (A)		X					
D4	M-94-01	Submit a Schedule and TPA Milestones to Complete Disposition of the Surplus Facilities in the 300 Area	12/31/2005	12/29/2005 (A)		X					
FR	M-16-46	Initiate Remedial Actions for Remaining Waste Sites for 100-D Area	07/31/2006	06/13/2006 (A)	X						
ISS	M-93-23	Submit EE/CA for KE/KW Reactor ISS	07/31/2006	03/03/2006 (A)	X						
D4	M-94-05	Complete Deactivation, Decontamination, Decommissioning, and Demolition of 313 and 314 Facilities	09/30/2006	02/16/2006 (A)	X						
Total FY 2006 River Corridor TPA Milestones			7		5	2	0	0	0	0	0

RIVER CORRIDOR
FY 2007 TPA MILESTONE SUMMARY

Status as of: August 31, 2006

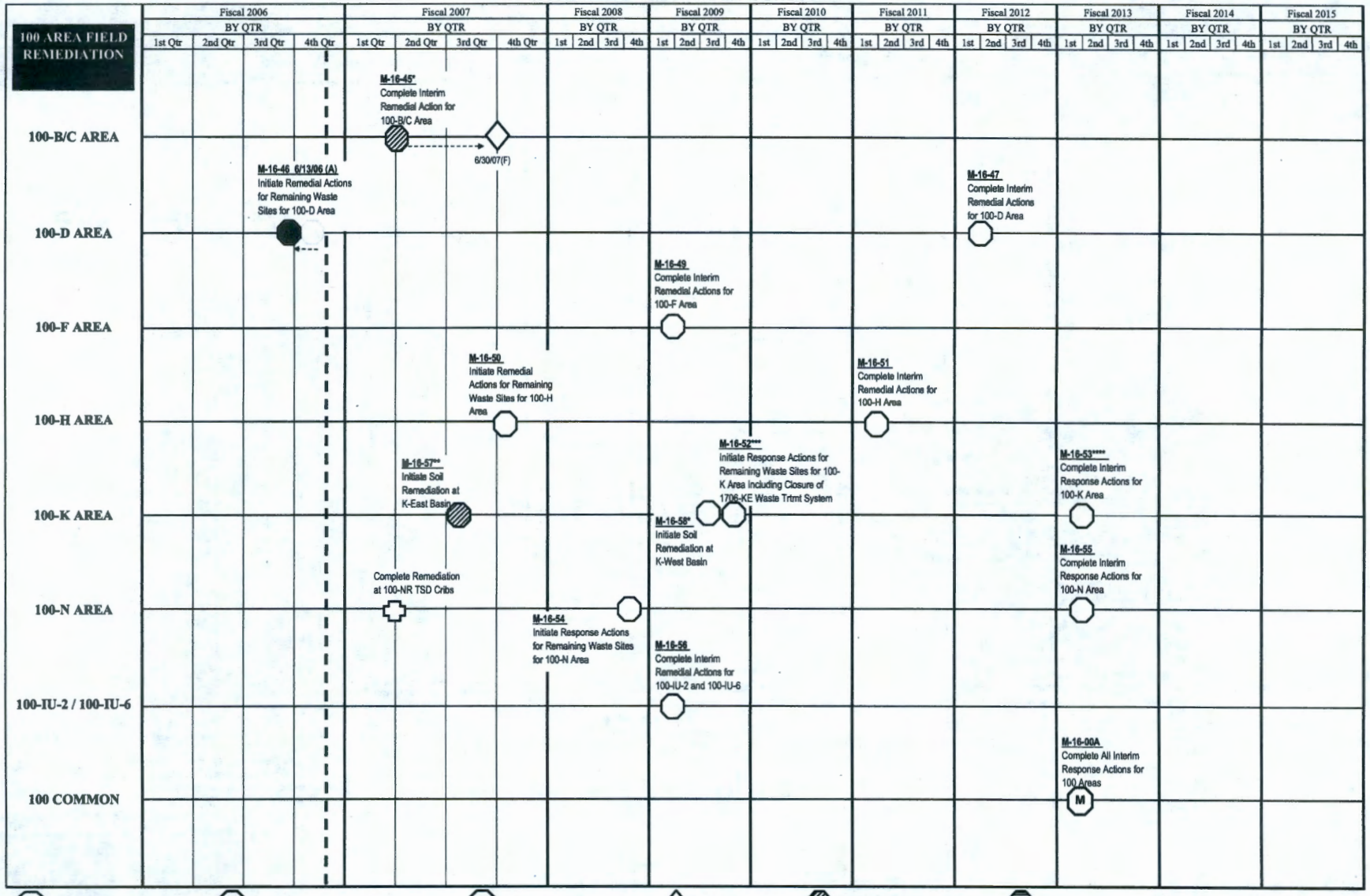
Project	Milestone	Title	Compliance Date	Forecast/ Actual Date	Completed		Forecast			Unrecoverable	To Be Deleted
					Ahead Schedule	On Schedule	Ahead Schedule	On Schedule	Behind Schedule		
FR	M-16-45*	Complete Interim Remedial Action for 100-B/C Area	12/31/2006	06/30/2007 (F)			(Change request was signed by EPA on 9/14/06.)			X	
FR	M-16-60**	Complete Interim Remedial Actions for at Least 3 of the Following High Environmental Priority 300-FF-2 Waste Sites (316-4, 618-2, 618-3, 618-5, 616-7) and Complete Confirmatory Sampling of 300-FF-2 Candidate Sites 300-7 and 300-9	12/31/2006		(Change request was signed by EPA on 9/14/06.)			X			
FR	M-16-67	Submit a Technology Development Summary Report for Phases I, II, and III, an Intermediate Design Report, a Remediation Schedule, and a Treatability Investigation Work Plan for Remedial Actions at 618-10 and 618-11 Burial Grounds	03/31/2007					X			
FR	M-16-57***	Initiate Soil Remediation at K-East Basin	04/30/2007							X	
ESFC	M-16-72	Submit Draft 100 Area and 300 Area Component Baseline Risk Assessment Report	06/30/2007					X			
FR	M-16-50	Initiate Remedial Actions for Remaining Waste Sites for 100-H Area	07/31/2007					X			
Total FY 2007 River Corridor TPA Milestones			6		0	0	0	4	0	2	0

*M-16-45 - Extension required due to significant increase in burial ground waste volumes, discovery of SNF pieces, and extensive quantities of anomalous material requiring characterization.
**M-16-60 - Awaiting results from soil/groundwater sampling to determine if plutonium concentrations still exist. If further excavation is required, milestone is in jeopardy of not being met.
***M-16-57 - TPA M-34-32 has been identified as not achievable by the responsible Hanford Site contractor. Therefore, M-16-57 milestone will also be unachievable, as it is dependent upon M-34-32 completion.

Status as of: August 31, 2006

River Corridor Closure Project

TPA MILESTONE SUMMARY SCHEDULE



*M-16-45 - Extension required due to significant increase in burial ground waste volumes, discovery of SNF pieces, and extensive quantities of anomalous material requiring characterization. *(Change request signed by EPA on 9/14/06.)*

**M-16-57 - TPA M-34-32 has been identified as not achievable by the responsible Hanford Site contractor. Therefore, M-16-57 milestone will also be unachievable, as it is dependent upon M-34-32 completion.

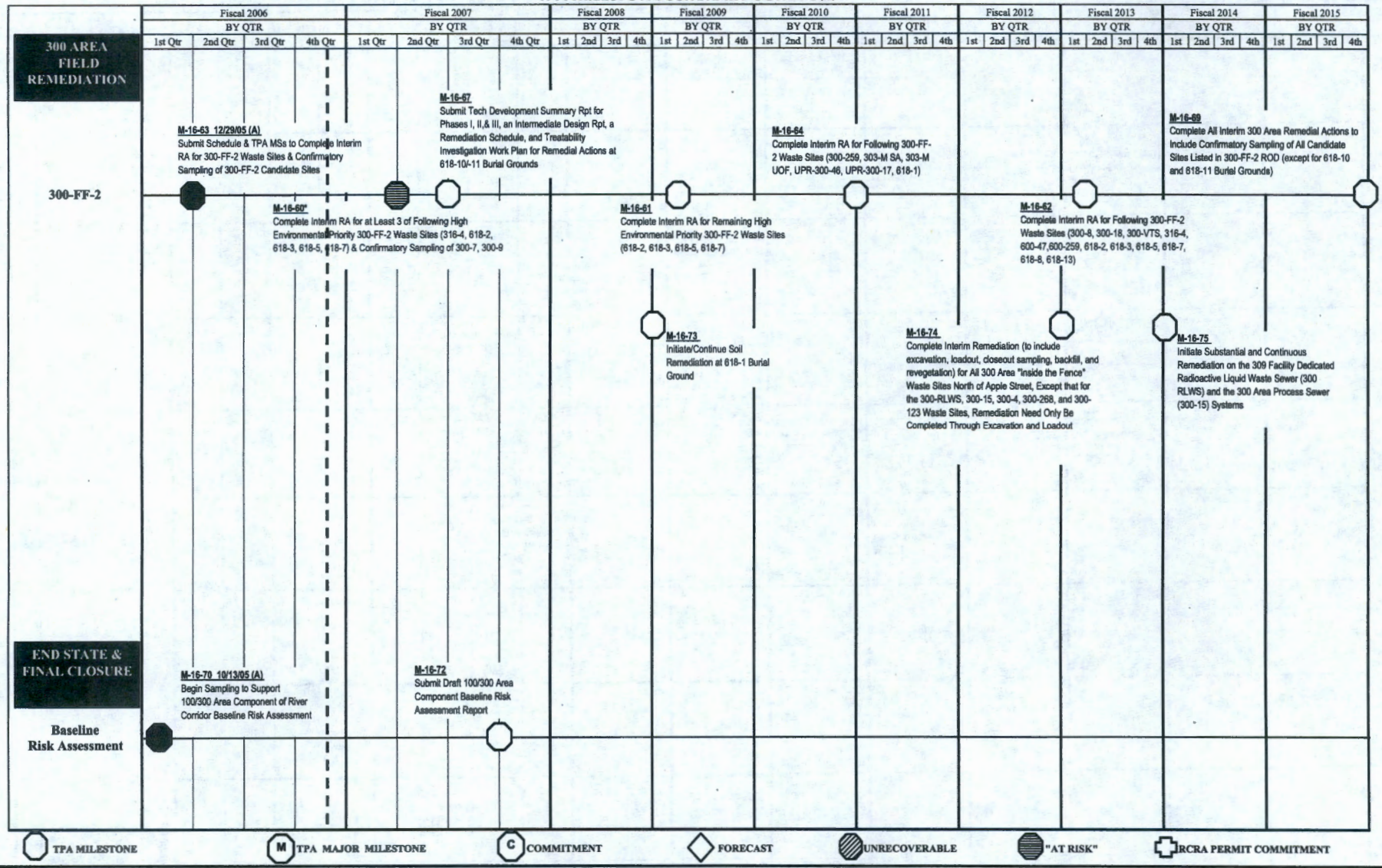
***M-16-52 - Portion that states "including closure of 1706-KE Waste Treatment System" is not RCC current scope.

****M-16-53 - Statement in TPA CR M-34-04-01 states "100-K Area remedial action is not complete until K-Basin sludge shipments for disposal off site have taken place". This portion is not RCC scope.

Status as of: August 31, 2006

River Corridor Closure Project

TPA MILESTONE SUMMARY SCHEDULE



***M-16-60** - Awaiting results from soil/groundwater sampling to determine if plutonium concentrations still exist. If further excavation is required, milestone is in jeopardy of not being met. *(Change request signed by EPA on 9/14/06.)*

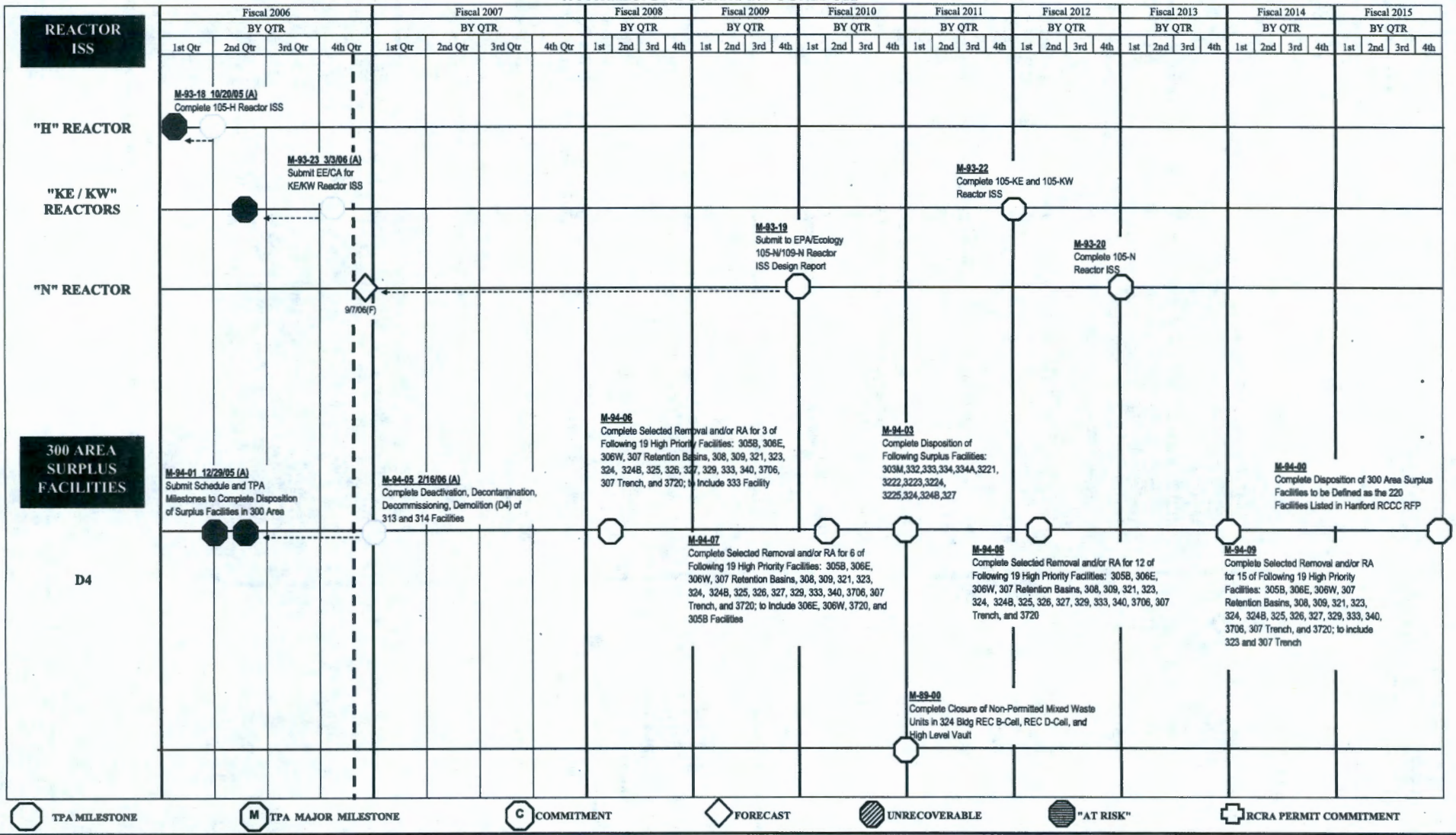
M-16-00B - 09/30/2018 - Complete All Interim 300 Area Remedial Actions Including 618-10 and 618-11 Burial Grounds

C-16-06C - TBD - Submit a Schedule and Establish Commitments to Complete Remedial Investigation/Feasibility Studies and Proposed Plans in Support of the Final ROD for the 100 Area

C-16-06D - TBD - Submit a Schedule and Establish Commitments to Complete Remedial Investigation/Feasibility Studies and Proposed Plans in Support of the Final ROD for the 300 Area

River Corridor Closure Project

TPA MILESTONE SUMMARY SCHEDULE



M-93-00 (TBD) - Complete Final Disposition of All 100 Area Surplus Production Reactor Buildings

RIVER CORRIDOR TPA CHANGE REQUESTS (June - August 2006)

M-16-05-06
300-FF-2 Waste Site Remediation
Approved - 7/10/06

The following three TPA interim milestones were established to show continued progress towards completion of interim remedial actions of 300-FF-2 "inside the fence" waste sites:

-- **M-16-73 - (9/30/2008)** - Initiate Substantial and Continuous Soil Remediation at the 618-1 Burial Ground

-- **M-16-74 - (9/30/2012)** - Complete Interim Remediation (to include excavation, loadout, closeout sampling, backfill, and revegetation) for all 300 Area "Inside the Fence" Waste Sites North of Apple Street, Except that for the 300-RLWS, 300-15, 300-4, 300-268, and 300-123 Waste Sites, Remediation Need Only Be Completed Through Excavation and Loadout

-- **M-16-75 - (9/30/2013)** - Initiate Substantial and Continuous Remediation on the 309 Facility Dedicated Radioactive Liquid Waste Sewer (300 RLWS) and the 300 Area Process Sewer (300-15) Systems

The following interim milestone was revised by removing the 316-4 waste site from this milestone as it will be remediated with the 618-10 Burial Ground:

-- **M-16-61 - (12/31/2008)** - Complete Interim Remedial Actions for the Remaining High Environmental Priority 300-FF-2 Waste Sites ~~(316-4~~, 618-2, 618-3, 618-5, and 618-7)

M-94-05-02
300 Area Surplus Facility Disposition
Approved - 7/10/06

The following four TPA interim milestones were established to show continued progress towards deactivation, decontamination, decommissioning, and demolition of 300 Area high priority facilities:

M-94-06 - (12/30/2007) - Complete the Selected Removal and/or Remedial Actions that are Selected for 3 of the Following 19 High Priority Facilities: 305B, 306E, 306W, 307 Retention Basins, 308, 309, 321, 323, 324, 324B, 325, 326, 327, 329, 333, 340, 3706, 307 Trench, and 3720; to include the 333 Facility

M-94-07 - (12/30/2009) - Complete the Selected Removal and/or Remedial Actions that are Selected for 6 of the Following 19 High Priority Facilities: 305B, 306E, 306W, 307 Retention Basins, 308, 309, 321, 323, 324, 324B, 325, 326, 327, 329, 333, 340, 3706, 307 Trench, and 3720; to include the 306E, 306W, 3720, and 305B Facilities

M-94-08 - (12/31/2011) - Complete the Selected Removal and/or Remedial Actions that are Selected for 12 of the Following 19 High Priority Facilities: 305B, 306E, 306W, 307 Retention Basins, 308, 309, 321, 323, 324, 324B, 325, 326, 327, 329, 333, 340, 3706, 307 Trench, and 3720

M-94-09 - (09/30/2013) - Complete the Selected Removal and/or Remedial Actions that are Selected for 15 of the Following 19 High Priority Facilities: 305B, 306E, 306W, 307 Retention Basins, 308, 309, 321, 323, 324, 324B, 325, 326, 327, 329, 333, 340, 3706, 307 Trench, and 3720; to include the 323 Facility and the 307 Trench

RIVER CORRIDOR PROJECT ACCOMPLISHMENTS

Washington Closure Hanford (WCH) assumed River Corridor cleanup responsibilities on August 27, 2005. Cleanup along the Columbia River will be accomplished by five major WCH projects: Deactivation, Decontamination, Decommissioning, and Demolition (D4) Closure Project, Reactor Interim Safe Storage (ISS) Closure Project, Field Remediation (FR) Closure Project, Waste Operations Project, and End State and Final Closure (ESFC) Project. The following accomplishments cover reporting period June-August 2006.

D4 Closure Project (M-89-00, M-94-03, M-94-06)

100 Area

- Continuing 163N/183N Demineralizer Plant and Water Filter Plant above-grade demolition.
- Completed demolition and loadout of:
  - MO-200 / MO-561 / MO-913 trailers
  - 1723NX Laydown Storage Area
  - 1701N Gate House trailer
  - 1707N Boat House
  - 153N Switchgear Building
  - 183NA Pumphouse

324/327 Facilities

- Completed excess equipment removal from 324 High Bay; continued removal from 324 EDL-101 and 102.
- Continued 324 and 327 beryllium sampling.
- Completed 327 characterization/sampling analysis.
- Finalized strategy for removal of 327 radium drum.

163N Demineralizer Plant and 183N Water Filter Plant Demolition Site

300 Area

- Completed demolition/loadout of following buildings: MO-26, 303C, 377, 3705, 3708, 3717, 3717B.
- Completed hazardous waste removal in 305 and 305B.
- Continued hazardous waste and asbestos removal in building 306E, 306W, and 333.
- Issued 300 Area sampling and analysis plan revision, to include 324 and 327 hot cell sampling.

Demolition of 377 Building

RIVER CORRIDOR PROJECT ACCOMPLISHMENTS

Reactor ISS Closure Project (M-93-19)

- Received RL/regulator approval of H-Reactor cleanup verification package (CVP), Rev. 0.
- Completed demolition and loadout of 119N and 119NA Air Sampling/Monitoring buildings.
- Completed public comment resolution of 100-K EE/CA.
- Completed draft 100-K Action Memorandum.
- Conducted 105/109N pre-bid walkdown for deactivation and decommissioning RFP.
- Transmitted the *Conceptual Design Report for the 105/109N ISS Project* to RL on 8/30/06 for subsequent transmittal to the regulators, which will satisfy completion of TPA Milestone M-93-19, more than three years ahead of schedule (due 9/30/09).

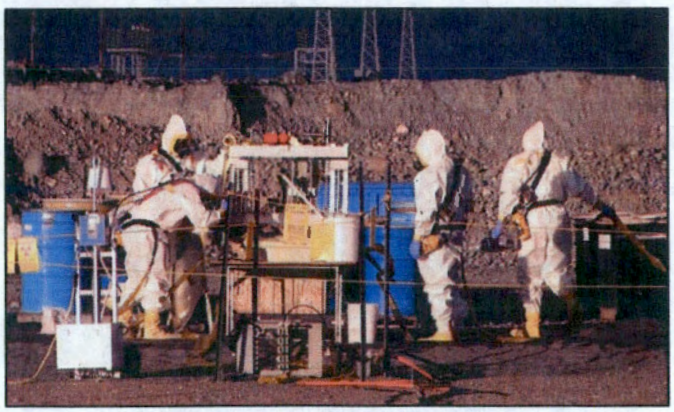
Field Remediation Closure Project (M-16-45, M-16-46, M-16-60, M-16-67)

300 Area (M-16-60, M-16-67)

- Received bids on July 17 for remediation of the 618-7 Burial Ground and other 300 Area waste sites (West Side procurement). Bid evaluation is in progress.
- Completed development of the 618-10/11 Burial Grounds preferred remediation option for design solution; held an independent review for development of preferred option.

100 Area (M-16-45, M-16-46)

- Completed the amalgamation of liquid mercury drained from suspect tubes found in 118-B-1 and 118-C-1 Burial Grounds.



Mercury Collection at 100-B/C Area

- Completed loadout of all stockpiled material and sorting cells at 100-B/C Area.
- Began remediation at 100-D Area on June 13 which satisfied completion of TPA Milestone M-16-46, seven weeks ahead of schedule.
- At 118-K-1 Burial Ground, completed remediation of Trenches A and B outside the fence. Received authorization to proceed with full remediation of the burial ground except for Trench I and the associated silos.
- Completed backfill of the 116-N-1 Crib and Trench on June 15. Received comments on 116-N-1 Crib and Trench CVP; continuing resolution of Ecology comments.
- Initiated demolition of tanker car in 118-F-6 Animal Waste Burial Ground.
- Completed excavation/sorting of 118-F-2 Reactor Hardware Burial Ground; initiated same activities at 118-F-1 Burial Ground.

Debris Found During Gross Sorting at 118-F-2 Trench E

Waste Operations Project

- The new mentor protégé (MP) subcontractor assumed full transportation services the first week in June.
- Initiated annual civil survey of Cells 2, 3, 4, and 5. Annual surveys of the waste disposal cells are required to be performed by the subcontractor in order to support waste placement planning and future expansion requirements.

Placing IP-II Container from K-Basins into Cell 6

- Initiated 30-day public comment period (8/28/06-9/26/06) for the *Proposed Amendment of the ERDF Record of Decision (ROD)*. Purpose of the amendment is to allow disposal in ERDF of additional wastes generated routinely from other Hanford activities, not identified within any specific cleanup action.
- Through August, approximately 619,000 tons of contaminated material have been disposed in ERDF since WCH assumed River Corridor cleanup responsibilities on August 27, 2005. More than 6.6 million tons of waste have been disposed in ERDF since operations began in July 1996.

End State and Final Closure Project (M-16-72)

Risk Assessment

- Completed scheduled field sampling to support the 100 and 300 Area risk assessment. Final activities included recovery of invertebrate rock baskets and clam tubes, threatened/ endangered plant habitat sampling, amphibian surveys, and king-bird sampling.
- Awarded subcontract to Neptune and Company for the 100 Area and 300 Area Component of the River Corridor Baseline Risk Assessment (RCBRA) report scope in support of TPA Milestone M-16-72 (due 6/30/07). Conducting monthly meetings with the Tri-Parties and stakeholders to discuss the approach and methodology for the 100 Area and 300 Area Component risk assessment, which fosters a collaborative and open process that is expected to facilitate support of the final document and conclusions.
- Submitted for RL, regulator, and stakeholder review Appendix E *Inter-Areas Shoreline Assessment* (DOE/RL-2005-42) Rev. 1, Draft A to the 100 Area and 300 Area Component of the RCBRA Sampling and Analysis Plan to include the "inter-areas" (located between reactor/operational areas) shoreline risk assessment sampling. The Tri-Party and public review for the document ends September 14. A comment resolution workshop will occur on September 19, with field sampling anticipated to begin mid-October.
- Finalized the Columbia River Component Data Evaluation Summary Report (WCH-91) and discussed potential path forward for the Columbia River Component (CRC) with RL. It is anticipated that RL will request that WCH prepare an estimate for completion of the risk assessment work plan, and completion of a DQO process and SAP for CRC scoping purposes.
- Briefed EPA and Ecology management on the objectives and provided information copies to initiate review of the draft *Integrated Strategy for Achieving Final Cleanup Decisions in the River Corridor*, (WCH-71, Draft A).

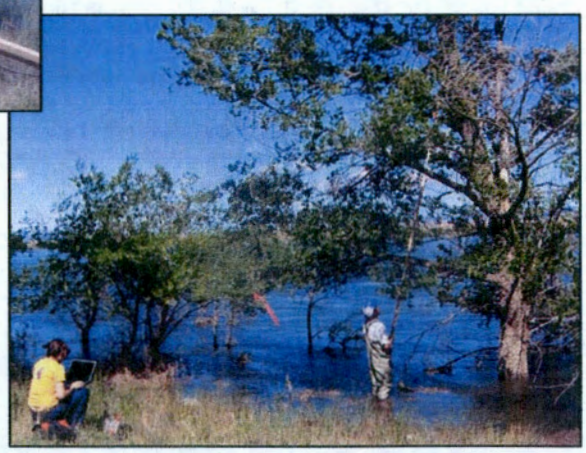
Long Term Stewardship

- Awarded subcontract for support of strategic planning for *Long-Term Stewardship for the River Corridor - Draft* document, including development of annotated outline. Annotated outline was developed in July; draft document development began in August.

Orphan Sites

- Completed briefings with RL and Ecology to discuss results of the 100-D Area orphan sites evaluation, including identification of 20 new waste sites.

The EAS sampling crew is testing the remote camera on the end of the pole that is used to view King-bird nests located high above the ground. The camera is a relatively non-intrusive way to safely evaluate the number of young and their growth before sampling.



The laptop computer is used in the field to view "real-time" images captured by the pole-camera as it looks into the nest. Note the extraordinarily high summer-time river level.

- **100-B/C Area 100-C-7 Waste Site:** Chromium contamination extending to groundwater.

  Status: Renegotiation of M-16-45 in process; draft change request being prepared and will be submitted to RL the week of September 4, 2006. *(Change request was signed by EPA on 9/14/06.)*

- **100-D Area 100-D-56 Waste Site:** While excavating pipeline, chromium contaminated liquid leaked on ground.

  Status: The pipeline liquid has been sampled, and sample results have been received. Waste profiles are being developed for the solids and liquids. Pipe overburden removal began September 11. Once overburden has been removed, pipe liquid will be removed. Separately, Ecology performed an inspection of activities at 100-D-56.

- **300 Area 618-2 Burial Ground:** After excavation of 618-2, a stained area with a high concentration of plutonium was identified in the middle trench of 618-2, approximately 14 feet above the groundwater table. Preliminary evaluation of the data indicated the remedy was potentially not protective of groundwater, based on modeling. To adequately evaluate groundwater protectiveness, additional soil data at 618-2 to groundwater was necessary.

  Status: An agreement between RL and EPA was reached in August 2006 to pot hole to groundwater and sample at 1 meter intervals to determine the residual soil concentrations of plutonium between the bottom of the middle trench and groundwater. A water sample was also obtained at the end of the pot hole. Preliminary data indicates decreasing plutonium concentration with depth. Final data for the sampling activity are expected in early September 2006.

  Soil from the pot hole was removed and disposed appropriately, and the pot hole was filled with clean backfill soil. Additionally, groundwater sampling from a nearby well (399-1-2) to the east of 618-2 has been requested of PNNL. Sampling results from this well are expected in October 2006. This issue is currently being discussed with the Groundwater Project, and additional groundwater sampling will occur in the area of this trench early FY07.

  If it is determined that further remediation is required at 618-2, TPA Milestone M-16-60 (due 12/31/06), may be in jeopardy of not being met. A draft change request is being prepared and will be submitted to RL the week of September 4, 2006. *(Change request was signed by EPA on 9/14/06.)*

- **300 Area 618-2 Burial Ground:** Drum containing suspect TRU waste mistakenly sent to ERDF for disposal.

  Status: Drum was retrieved and is planned to be shipped to CWC in late September 2006.

RIVER CORRIDOR CLOSURE PROJECT PERFORMANCE SUMMARY
Contract Inception (8/27/05) through July 2006
($K)

	IPB		CUMULATIVE			SCHEDULE VAR		COST VAR	
	BCWS	EAC	BCWS	BCWP	ACWP	$	SPI	$	CPI
D4	652,592	652,592	43,280	63,656	35,263	20,376	1.47	28,393	1.81
Reactor ISS	91,641	91,641	2,811	3,543	2,518	732	1.26	1,025	1.41
Field Remediation	403,827	403,827	41,668	47,254	38,711	5,586	1.13	8,543	1.22
Waste Operations	251,860	251,860	13,107	20,378	22,721	7,271	1.55	-2,343	0.90
ESFC	55,954	55,954	4,434	5,987	5,261	1,553	1.35	726	1.14
Mission/General Support	322,195	322,195	32,502	32,502	37,544	0	1.00	-5,042	0.87
Transition	3,979	3,979	3,979	3,979	3,743	0	1.00	236	1.06
Contingency	257,744	257,744							
TARGET COST TOTAL	**2,039,792**	**2,039,792**	**141,781**	**177,299**	**145,761**	**35,518**	**1.25**	**31,538**	**1.22**

Schedule Variance Summary:

Through July, the RCC Project was $35.5M ahead of schedule. The positive schedule variance is attributed to accelerated 300 Area and 100-N Area building demolitions; accelerated field remediation at 100-F, 100-N, and 100-K Areas; and ERDF support to accelerated work in D4 and Field Remediation Projects. Positive schedule variance is partially offset by remediation delays at 100-B/C Burial Grounds due to discovery of SNF and anomalous waste, the 118-K-1 Burial Ground due to nuclear safety issues, delays in the 300 Area 618-7 Burial Ground, and 100-D confirmatory sampling.

Cost Variance Summary:

At the end of July, the RCC Project had performed $177.3M worth of work, at a cost of $145.8M. This results in a favorable cost variance of $31.5M. The positive cost variance is attributed to 100 Area building demolition performed under budget; significant underruns experienced in 300 Area building characterization, deactivation, and demolition activities; significant underruns in 300 Area utility charges and S&M activities; major portion of field remediation being accomplished under budget, partially offset by overruns associated with 118-K-1 Burial Ground, 116-N-1 Crib backfill, and additional scope growth; and by project startup activities such as procedure and program development, and Radcon and Industrial Safety services greater than planned.

INTEGRATION ISSUES

This section of the quarterly review discusses Central Plateau milestones and workscope that potentially affect River Corridor milestones.

- On October 31, 2005 the DOE Groundwater Project (Fluor Hanford) delivered a draft report to Ecology, assessing the effects of groundwater/river interface on aquatic and riparian eco-receptors at the 100-N Area. The Washington Closure Hanford (WCH) End State and Final Closure Project is planning to incorporate the results of the 100-N Area assessment in the 100/300 Area baseline risk assessment.

  WCH has not included regulatory review of the Fluor-prepared 100-N report as a critical path task in the WCH baseline. Ecology has expressed concern that if there are substantial review issues for the Fluor report, it could delay completion of the WCH-prepared Sampling and Analysis Plan (SAP). In May 2006, WCH started preparing the 100/300 Area SAP that would integrate 100-N Area. DOE transmitted the revised 100-N ecological report to Ecology in June 2006. The Ecology Project Manager believes that there is a lack of integration between the two efforts, and believes that the lack will affect the cost and schedule of the SAP.

  WCH Status: The WCH contractor has been coordinating directly with the 100-N Area assessment team, and information and data have been shared prior to issuance of the 100-N Ecological Report in June 2006. This information is being utilized in the planning for the inter-area evaluation (this includes the 100-N Area shoreline). The inter-area evaluation and the 100-N Ecological Report were discussed at the June 1 and 2 Trustee workshops. WCH will take into consideration Ecology comments on the 100-NR-2 report and discuss the 100-N Area throughout the development of the risk assessment. WCH is collecting additional samples at the 100-N shoreline to supplement the data collected by Fluor Hanford.

- 100-D Area Chromium Source Investigation and Remediation, Technology Development, and Groundwater Remediation.

  Ecology and DOE-RL have come to an agreement to move forward and accelerate D-Area chromium source investigation and remediation. There must be an integrated effort among activities related to source zone characterization and remediation in the vadose zone, technology demonstration both in the vadose zone and groundwater, and the ongoing and future groundwater activities remediation as well as expected deep and shallow zone vadose zone remediation. A detailed integrated plan between the WCH and Fluor activities showing schedules and deliverable and the budget planned must be submitted to Ecology for their approval.

U.S. Department of Energy
Richland Operations Office
Fast Flux Test Facility (FFTF) Deactivation

Tri-Party Agreement (TPA)
M-81-00 Series Milestones
09/21/06

09/21/06 River Corridor TPA Milestones Review Meeting
Washington State Department of Ecology
U.S. Environmental Protection Agency

DOE-RL FFTF Project – Al Farabee
Washington State Department of Ecology – Laura Cusack
U.S. Environmental Protection Agency – Nicholas Ceto

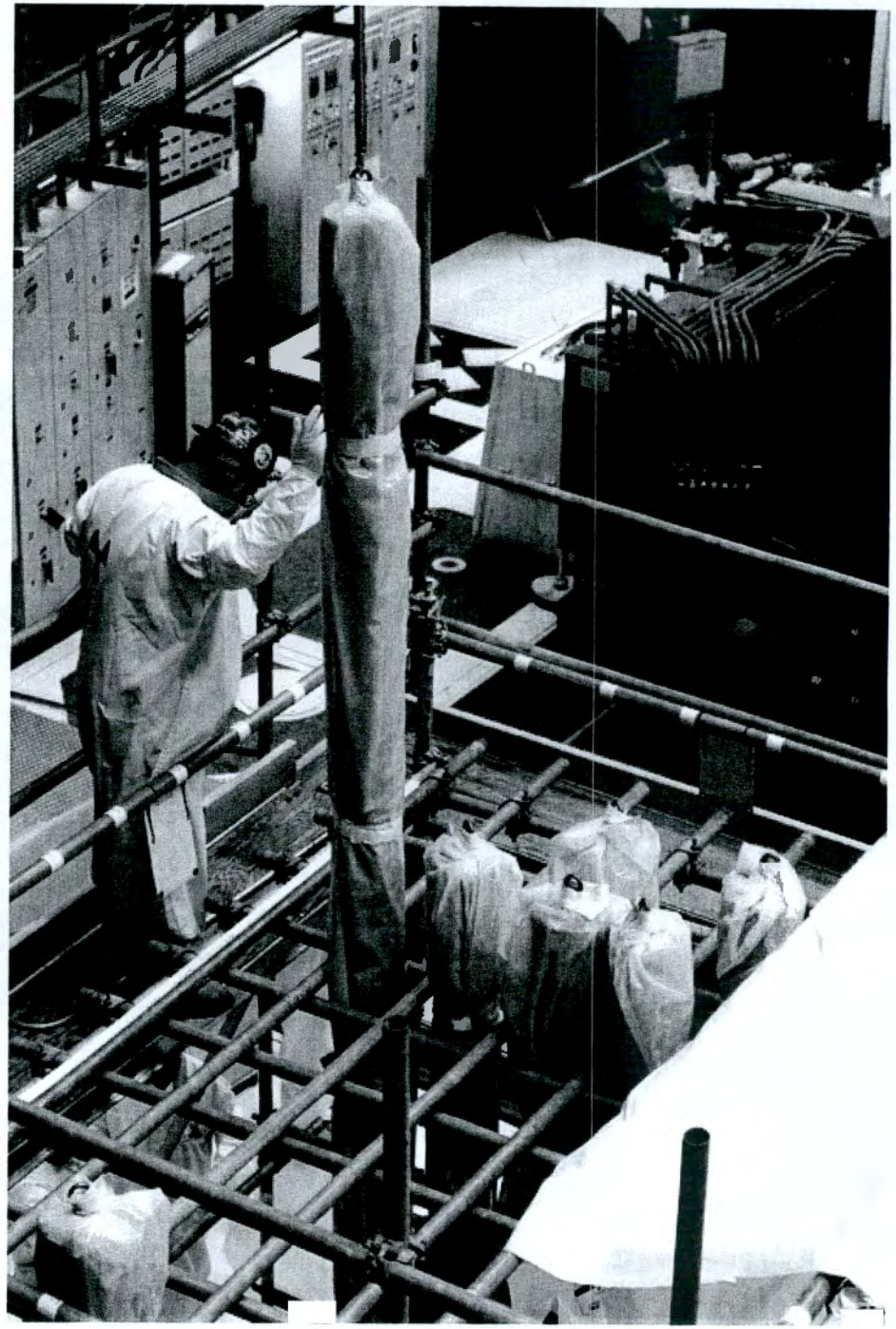
Status of FFTF Deactivation TPA M-81-00 Milestones and Related M-20-29B Milestone (09/21/06, Continued)

Milestone	Milestone Description	Due Date	Status
M-81-10-T01	Submit Final Sodium Disposition Report	07/31/07	On Schedule
M-81-11	Submit FFTF End Point Criteria Document	08/31/05	Completed 07/7/05
M-81-12	Initiate FFTF Sodium Drain	06/30/03	Completed 04/7/03
M-81-13	Complete Reactor and Heat Transport System Sodium Drain	06/30/05	Completed 06/15/05
M-81-14-T01	Complete Fuel Storage Facility Sodium Drain	04/30/07	Completed 09/1/05
M-81-14-T02	Initiate Interim Decay Storage Vessel Sodium Drain	06/30/08	Completed 09/19/06, Completion Letter Pending
M-81-14	Complete FFTF Sodium Drain	09/30/09	On Schedule
M-81-15	Submit FFTF Surveillance and Maintenance Plan	06/30/10	On Schedule
M-20-29B	Submit Sodium Storage Facility and Sodium Reaction Facility Closure Plan or Request for Procedural Closure to Ecology as Defined in Agreement Section 6.3.3	06/30/03	Completed 06/12/03

Significant Accomplishments Last Three Months

(09/21/06)

- **Fuel Offload**
  - Completed fuel and component offload from the Interim Decay Storage vessel
  - The remaining fuel (sodium bonded) assemblies remain stored in the Interim Examination and Maintenance Cell
  - Continued efforts on the new T-3 Cask SARP Addendum for the sodium bonded fuel



Significant Planned Actions - Next Six Months

(09/21/06)

- **Fuel Offload**
  - Continue efforts to obtain a new T-3 Cask Certificate of Compliance for sodium bonded fuel shipments
  - Complete recertification of the two T-3 Casks
  - Complete transfer of green sodium bonded fuel pins from the Plutonium Finishing Plant to FFTF
- **Sodium Drain**
  - Continue efforts on the RCRA/State Dangerous Waste permitted storage
  - Continue developing sodium drain work plans for the nine large primary Main Heat Transfer System (MHTS) valves
- **Auxiliary Systems Shutdown**
  - Continue systems shutdown when they are no longer needed.

Schedule/Cost Performance
Fiscal Year to Date Status ($000s) through 08/06

Description	BCWS	BCWP	ACWP	SV	CV	BAC
FFTF	$30,828.7	$32,531.4	$32,514.7	$1,702.8	$16.8	$34,670.9

Schedule Variance Analysis $1.7M:
The cost variance is contributed carryover fuel offload activities completed

Cost Variance Analysis $0.02M:
The cost variance is negligible

Note: Cost /schedule performance associated with revised baseline.

Summary

(09/21/06)

- Sodium drain completed for Interim Decay Storage vessel
- Progress continues to be made on the T-3 Cask SARP addendum
- The project is pursuing a rebaselining to a long term surveillance and maintenance mode
- Issues continue to be worked for resolution

September 21, 2006

Agendas for the

Hanford Federal Facility Agreement and Consent Order Milestone Review and
Inter Agency Management Integration Team (IAMIT) Meetings

River Corridor Milestone Review

Place : EPA Conference Room, 309 Bradley Boulevard, Suite 115, Richland, WA.
Time: 10:00 am - 11:00 am
Chairperson: Nick Ceto

Agenda

10:00 am	M-16-00	Complete Remedial Actions
	M-93-00	Disposition of Surplus Reactors
	M-94-00	300 Area Surplus Facilities
	M-89-00	324 Bldg. Closure of MW Units
	M-92-00	Facilities for Sodium and Special Case Waste
10:45 am	M-81-00	Fast Flux Test Facility Transition

11:00 am Adjourn River Corridor Milestone Review

Inter Agency Management Integration Team

Place: EPA Conference Room, 309 Bradley Boulevard, Suite 115, Richland, WA.
Time: 11:00 am - 11:20 am
Chairperson: Nick Ceto

Agenda

11:00am Update on Status of M-91 Milestones to Certify TRU/M Waste.

11:20am Adjourn IAMIT

Tri-Party Agreement Major Milestone Management Review

September 21, 2006

Name	Organization	Mail Stop	Attachments Yes/No
Sonya Moore	FH-TPA	H8-40	Y
RON MORRISON	FH-TPA	H8-40	✓
John Price	Ecology		NO
LAURA CUSACK	ECY		✓
ROB BILBRO	FH-TPA		✓
Craig Cameron	EPA		✓
JOE FRANCE	DOE		NO
KEVIN D. BAZZELL	DOE		NO
Rick Bond	Ecology		No
KaeRae Biagini	DOE-RL		No
Jane Hedges	ECY		NO
Al Farabee	DOE		No
Doug Chapin	DOE-RL/FFTF	A3-04	No
Steve Chalk	DOE-RL		NO