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River Corridor/FFTF
Tri-Party Agreement Milestone Review
Meeting Minutes
June 21, 2007

EDMC

Approval: Jane A. Hedges Date: 8/28/07
J. Hedges (H0-57)
Ecology IAMIT Representative

Approval: M.S. McCormick Date: 8/29/07
M.S. McCormick (A5-11)
DOE IAMIT Representative

Approval: N. Ceto Date: 8/29/07
N. Ceto (B1-46)
EPA IAMIT Representative, Chairperson

Minutes Prepared by:

Sonya Moore Date: 8-29-07
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
Bignell, D.T.*	WCH	H4-25	Henry, D.	OOE	
Bilson, H.E.	FH	H8-20	Horst, L.	OOE	
Blackburn, J.E.*	WCH	H4-15	Jackson, D.E.	RL	A4-52
Bond, R.*	Ecology	H0-57	Jim, R.	Yakama	
Bohnee, G.	NPT		Johnson, W.F.	WCH	H4-22
Boyd, A.	EPA	B1-46	Jones, M.	Ecology	H0-57
Brown, M.J.	Ecology	H0-57	Knox, K.E.*		
Butler, D.H.	WCH	H0-34	LaRue, D.N.*	WCH	H0-20
Cameron, C.E.	EPA	B1-46	McCormick, M.S.	RL	A5-11
Ceto, N.*	EPA	B1-46	Morrison, R.E.*	PAC	
Chapin, D.H.*	RL	A3-04	Niles, K.	OOE	
Chalk, S.E.	RL	A7-75	Noland, T.W.*	FH	H8-12
Cimon, S.*	ODE		Pettiette, P.L.	WCH	H0-21
Clark, C.E.	RL	A5-15	Piippo, R.E.*	FH	H8-12
Cusack, L.*	Ecology	H0-57	Price, J.B.*	Ecology	H0-57
DeLozier, F.P.*	WCH	H4-22	Romine, L.D.	RL	A6-33
Doebler, S.V.	FH	N2-51	Skinnarland, E.R.	Ecology	H0-57
Donnelly, J.W.	WCH	H4-22	Walsh, J.L.	WCH	H0-20
Engelmann, R.H.*	FH	H8-12	Weil, S.R.*	RL	A5-16
Farabee, A.*	RL	A3-04	Whalen, C.*	Ecology	H0-57
Faulk, D.A.	EPA	B1-46	Wolf, A.	CTUIR	
Franco, J.R.*	RL	A3-04	Administrative Record		H6-08
Frey, J.A.	RL	A5-13	*Attendees		

**River Corridor/FFTF
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River Corridor Project portion of M-016/M-089/M-093/M-094

DOE and Washington Closure Hanford LLC (WCH) distributed a handout summarizing milestone status, accomplishments and issues.

River Corridor Milestone Status

M-016-45, Complete Interim Remedial Action of 100-B/C Area

The revised change request proposing extension of the completion date from 6/30/07 to 12/31/07 is in RL for signature and it is expected to be sent to EPA for approval today.

M-016-50, Initiate Remedial Actions for Remaining Waste Sites for 100-H Area

The revised change request proposing extension of completion date from 7/31/07 to 10/31/08 is being worked between DOE and Ecology. Ecology noted that an additional 30 days will be added to the original milestone date because of project manager disputes. WCH stated that it plans to meet the milestone date by July 31 if the change request is not approved prior to the milestone date. If this happens, other high priority work in 100-D area, which is not milestone-dependent, will be deferred.

M-016-54, Initiate Response Actions for Remaining Waste Sites for 100-N Area

Response actions were initiated on 5/31/07.

M-016-57, Initiate Soil Remediation at K-East Basin

EPA noted that this milestone has been missed, and requested adding a column in the status table reflecting missed milestones. EPA also requested that DOE provide a path forward for meeting or recovering the missed milestones. (NOTE: WCH subsequently stated that this milestone was missed because WCH has not yet been authorized to work in the 100-K Area due to the schedule extensions for completing removal of fuel and sludge from the K Basins, as well as the milestone disputes on M-034.)

M-016-56, Complete Interim Remedial Actions for 100-U-2 and 100-U-6

WCH reported that this milestone is at risk and will go to unrecoverable by the September 2007 River Corridor milestone meeting. Further discussions with EPA are expected, and a draft change package has been prepared.

M-016-55, Complete the Interim Response Actions for 100-N Area; M-016-00A Complete all Interim Response Actions for 100 Areas

WCH stated that these two milestones are not listed as at risk (as noted by WCH due to these milestones being nearly 5 years out [2012]), but there is a potential impact based on the K Basins schedules and the current proposed funding and ongoing talks with Ecology. WCH has had substantial scope added to their contract due to increased excavation, failed confirmatory sampling sites, orphan site discoveries, and requests to modify electrical access for the 300 Area to accommodate PNNL continued occupancy. No additional funding was provided for the additional scope. Ecology responded that these milestones should be shown as at risk, as previously requested. Ecology added that unless certain milestones are shown at risk, there is no opportunity for corrective action.

M-016-51, Complete the Interim Remedial Actions for 100-H Area

Ecology requested that this milestone be shown at risk. WCH indicated that the milestone was still achievable if the work is initiated as scheduled in M-16-50.

River Corridor TPA Change Requests (March - May 2007)

M-16-07-02, 618-10/11 Design Solution

WCH stated that subsequent to approval of this change request on March 28, another change request (M-16-07-05) was submitted to revise or add a milestone for characterization of 618-10/11.

M-16-07-05, 618-10/11 Characterization SAP

This change package was approved by EPA that revised the scope of the existing M-16-67 milestone to require a Sampling and Analysis Plan and extended the date to June 30, 2008. EPA also noted that within the next month, notice will be sent to DOE that reflects EPA's expectation of establishing a milestone for 618-10/11 start of work.

M-016-72 Submit Draft 100 Area and 300 Area Component Baseline Risk Assessment Report

RL comments on the Risk Assessment Report for the 100 Area and 300 Area have been dispositioned, and the report is on schedule for submittal to the regulators by the end of June.

River Corridor Accomplishments

River Corridor Accomplishments for the past quarter were distributed and summarized by WCH.

River Corridor Performance Summary - Schedule and Cost Variance

EPA commented that the report of \$338.7M worth of work performed at a cost of \$305.3M should be revised to reflect that an estimated cost of \$338M was performed for \$305M. Ecology requested clarification regarding the amount of work reported was more than planned and at less cost, but yet milestones are at risk because of a lack of funds. WCH explained that there was more work done than planned; however, that did not include work that was scheduled for several reasons: 1) additional scope of work encountered during scheduled work, such as over 2000 anomalies discovered in B/C when 50 anomalies were estimated and 60% more soil dug up than anticipated; 2) confirmatory sampling indicating required cleanup of a number of sites, that were not planned for cleanup; and 3) orphan sites have been added to the contract, some of which resulted in an addition of a new TPA milestone for 100-B/C. WCH noted that a CPP (Contract Performance Plan) is in process, and a total project estimate of completion will be prepared that will reflect the scope growth and provide a better picture of the path forward.

River Corridor Integration Issues

Ecology stated that it is likely more vadose zone characterization will be done in the 100 Area, and DOE may elect to contract with Fluor Hanford (FH) to do the work while they are constructing bore-holes and wells to support the ground water program. Ecology indicated that the characterization work, along with any well drilling by FH to support final cleanup decisions, needs to be included in the report that WCH prepares so that a more comprehensive report for work in the River Corridor is provided. Ecology noted that WCH did provide some of that information in the report today. WCH added that it has been meeting with FH to develop a memorandum of understanding, and is also meeting with DOE and FH in integrated project baseline meetings.

Fast Flux Test Facility M-81 and M-92 Deactivation Milestones

DOE distributed a handout on the status of the FFTF milestones.

Significant Accomplishments

Sodium Drain

DOE reported that the sodium drain and drilling to install dip tubes has been placed on temporary hold while an Environmental Impact Statement (EIS) for the Global Nuclear Energy Partnership (GNEP) is undertaken. FFTF has been recognized as a potential asset for the GNEP program. If the stand down continues more than a month or two, a decision may be made to push the sodium drain activity out to 2015 when remobilization for D&D ramps up. DOE noted that there would

be no cost impact to do the work now or later. DOE stated that Milestone M-081-14 is considered completed.

400 Area WMU RCRA/State Dangerous Waste Permitted Storage of Sodium-Wetted Waste

DOE is proceeding with the assumption that the permit will become effective on November 10. If the public comment period does not start on July 9, the critical path could be impacted for issuing the operating permit. DOE and Ecology are discussing ways to resolve that issue, if it occurs. Ecology noted that it is very aware of the situation and watching it closely.

Ecology stated that the July 9 date would not be met. Therefore, the sitewide permit will not be issued until December. DOE and Ecology are working on a path forward for the project to continue operating as is between the expiration of the Temporary Authorization on November 10 and issuance of the revised permit.

River Corridor Closure Project

TPA Quarterly Review

For period: March - May 2007



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

June 21, 2007

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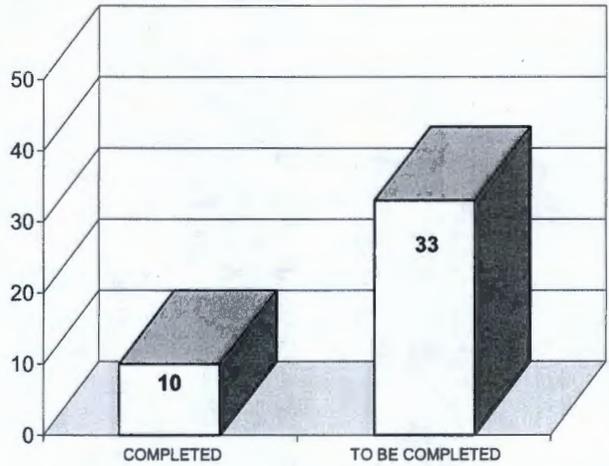
RIVER CORRIDOR

- River Corridor Milestone Statistics
- River Corridor FY07-08 Milestone Status
- River Corridor Milestone Schedule
- River Corridor Change Requests
- River Corridor Project Status / Accomplishments
- River Corridor Issues
- River Corridor Performance Summary

INTEGRATION ISSUES

RIVER CORRIDOR CLOSURE PROJECT

River Corridor TPA Milestone Statistics (Major & Interim Milestones)



	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) 300 Area	23	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-16-94	12/31/09	
			M-16-60 (C)	04/30/07	M-16-64	09/30/10	
	12/31/2012 (M-16-00A) 100 Area			M-16-57	04/30/07	M-16-51	12/31/10
				M-16-45	06/30/07	M-16-47	12/31/11
				M-16-72	06/30/07	M-16-74	09/30/12
				M-16-50	07/31/07	M-16-53	12/31/12
				M-16-67	06/30/08	M-16-55	12/31/12
				M-16-54 (C)	07/31/08	M-16-62	12/31/12
				M-16-73	09/30/08	M-16-00A	12/31/12
				M-16-49	12/31/08	M-16-75	09/30/13
				M-16-56	12/31/08	M-16-69	09/30/15
				M-16-61	12/31/08	M-16-00B	09/30/18
M-93 Reactors on River Final Disposition	TBD (M-93-00)	3	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 (C)	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 (as of 05/31/07)		33	10 --- MILESTONES COMPLETED (C)				

RIVER CORRIDOR CLOSURE PROJECT

**RIVER CORRIDOR
FY 2007 TPA MILESTONE SUMMARY**

Status as of: May 31, 2007

Project	Milestone	Title	Compliance Date	Forecast/ Actual Date	Completed		Forecast			To Be Missed	To Be Deleted
					Ahead Schedule	On Schedule	Ahead Schedule	On Schedule	Behind Schedule		
FR	M-16-57*	Initiate Soil Remediation at K-East Basin	04/30/2007							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, 618-7) and Complete Confirmatory Sampling of 300-FF-2 Candidate Sites 300-7 and 300-9	04/30/2007	12/28/2006 (A)	X						
ESFC	M-16-72	Submit Draft 100 Area and 300 Area Component Baseline Risk Assessment Report	06/30/2007					X			
FR	M-16-45**	Complete Interim Remedial Action for 100-B/C Area	06/30/2007							X**	
FR	M-16-50	Initiate Remedial Actions for Remaining Waste Sites for 100-H Area	07/31/2007	Revised CR provided to Ecology on 6/4/07 proposing extending date to 10/31/09.				X			
FR	M-16-54	Initiate Response Actions for Remaining Waste Sites for 100-N Area	07/31/2008	05/31/2007 (A)	X						
Total FY 2007 River Corridor TPA Milestones			6			2	0	0	2	0	2

*M-16-57 - TPA M-34-32 has been identified as not achievable by the responsible Hanford Site contractor; M-16-57 milestone is also unachievable, as it is dependent upon M-34-32 completion. RL transmitted CR #M-16-06-04 proposing date be changed to 8/30/2009. Currently in dispute at IAMIT level (through 7/31/07); EPA requested integrated schedule be provided.

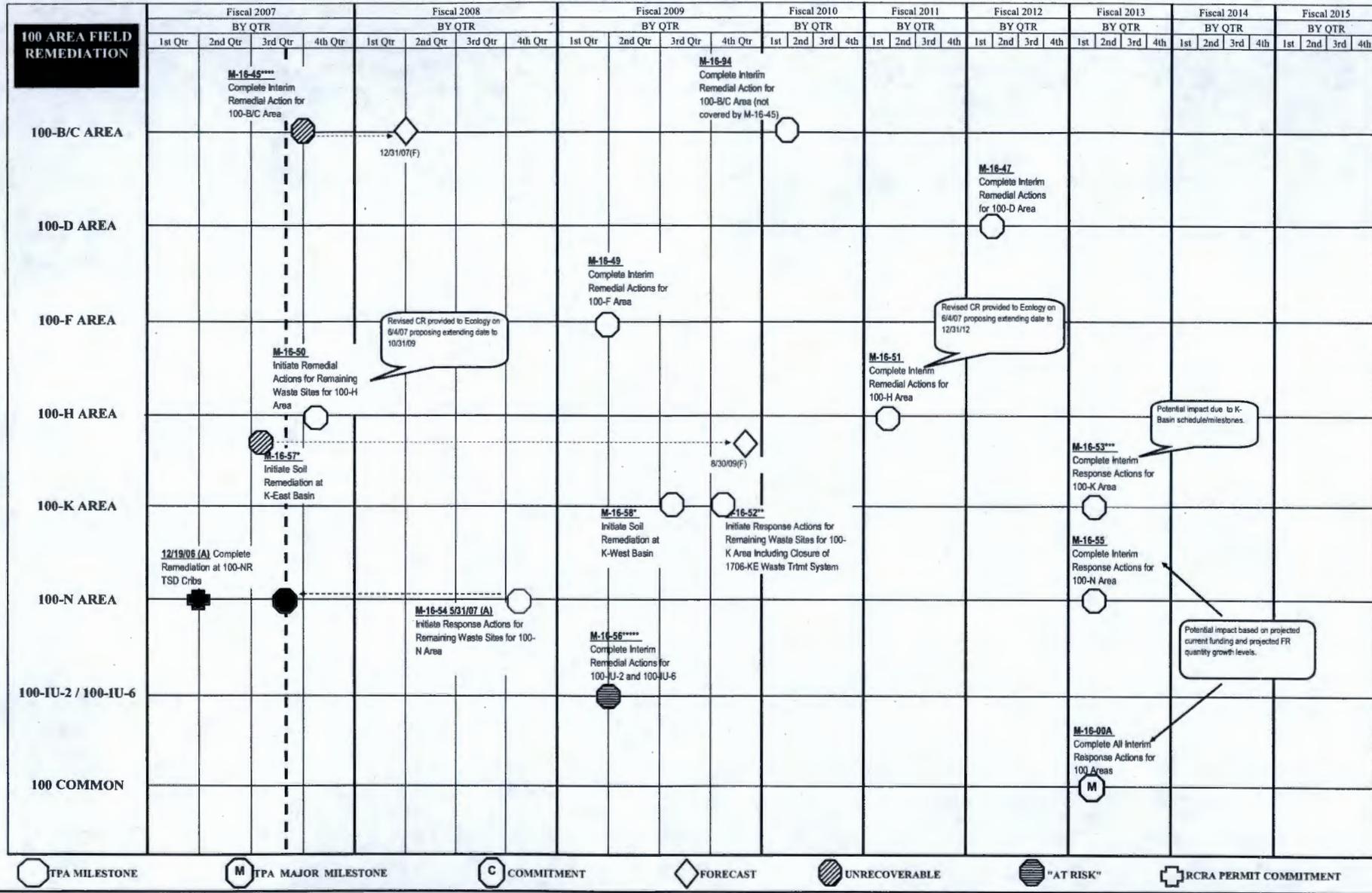
**M-16-45 will be missed due to: 1) discovery of tritium soil contamination at depth exceeding cleanup levels and preparation of the 118-B-1 ESD, 2) 116-C-3 tank remediation/treatment, 3) shipment of SNF, and 4) complete opening/sampling remaining anomalous items. A draft change request was provided to EPA proposing extending completion date from 6/30/07 to 12/31/07. EPA disapproved CR on 3/26/07; currently in dispute resolution. Revised CR was resubmitted to EPA on 5/30/07. CR approval is expected by EPA before milestone due date (6/30/07); if not, it will be elevated to IAMIT level per TPA process.

**RIVER CORRIDOR
FY 2008 TPA MILESTONE SUMMARY**

Status as of: May 31, 2007

Project	Milestone	Title	Compliance Date	Forecast/ Actual Date	Completed		Forecast			To Be Missed	To Be Deleted
					Ahead Schedule	On Schedule	Ahead Schedule	On Schedule	Behind Schedule		
D4	M-94-06	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	12/30/2007					X			
FR	M-16-67	Submit a Characterization SAP to EPA for Approval as Primary Document (618-10/11)	6/30/2008					X			
FR	M-16-73	Initiate Substantial and Continuous Soil Remediation at 618-1 Burial Ground	09/30/2008					X			
Total FY 2008 River Corridor TPA Milestones			3			0	0	0	3	0	0

River Corridor Closure Project
TPA MILESTONE SUMMARY SCHEDULE



*M-16-57 - TPA M-34-32 has been identified as not achievable by the responsible Hanford Site contractor; M-16-57 milestone is also unachievable, as it is dependent upon M-34-32 completion. RL transmitted CR #M-16-06-04 proposing date be changed to 8/30/2009. Currently in dispute at IAMIT level; EPA requested integrated schedule be provided. M-16-58 dependent on resolution.

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

****M-16-45 will be missed due to: 1) discovery of tritium soil contamination at depth exceeding cleanup levels and preparation of the 118-B-1 ESD, 2) 116-C-3 tank remediation/treatment, 3) shipment of SNF, and 4) complete opening/sampling remaining anomalous items. EPA disapproved draft change request that proposed extending completion date from 6/30/07 to 12/31/07. Currently in dispute. Revised CR was resubmitted to EPA on 5/30/07. CR approval is expected by EPA before milestone due date (6/30/07); if not, it will be elevated to IAMIT level per TPA process.

*****M-16-56 - Once funding levels are known, potential impacts can be assessed. UXO site and the plutonium criticality lab are a priority and will be completed by 12/31/08.

River Corridor Closure Project
TPA MILESTONE SUMMARY SCHEDULE

	Fiscal 2007				Fiscal 2008				Fiscal 2009				Fiscal 2010				Fiscal 2011				Fiscal 2012				Fiscal 2013				Fiscal 2014				Fiscal 2015							
	BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR											
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st	2nd	3rd	4th																								
300 AREA FIELD REMEDIATION																																								
300-FF-2																																								
END STATE & FINAL CLOSURE																																								
Baseline Risk Assessment																																								

○ TPA MILESTONE M TPA MAJOR MILESTONE C COMMITMENT ◇ FORECAST ⊗ UNRECOVERABLE ⊗ "AT RISK" ⊕ RCRA PERMIT COMMITMENT

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

REACTOR ISS	Fiscal 2007				Fiscal 2008				Fiscal 2009				Fiscal 2010				Fiscal 2011				Fiscal 2012				Fiscal 2013				Fiscal 2014				Fiscal 2015							
	BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR							
	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st	2nd	3rd	4th																								
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300 AREA SURPLUS FACILITIES																																								
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RIVER CORRIDOR TPA CHANGE REQUESTS (March - May 2007)

M-16-07-01
100-B/C Remediation
Disapproved - 3/26/07

This change request proposed extending the M-16-45, "Complete Interim Remedial Action for 100-B/C Area", completion date six months from 6/30/07 to 12/31/07. Extension is requested due to: 1) discovery of tritium soil contamination at depth exceeding cleanup levels and preparation of the 118-B-1 ESD, 2) 116-C-3 tank remediation/treatment, 3) shipment of SNF, and 4) complete opening/sampling remaining anomalous items. Change request was disapproved and is currently in dispute resolution at the project manager level. The disapproved CR was revised (clarified completion items and criteria) and resubmitted to EPA on 5/30/07. Approval of the CR is expected by EPA before milestone due date (6/30/07). If resolution is not reached by 6/30/07, it will be elevated to the IAMIT level per the TPA process.

M-16-07-02
618-10/11 Design Solution
Approved - 3/28/07

This change request extended 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", completion date two months from 3/31/07 to 5/31/07. This allowed time for RL review of the 618-10/11 Design Solution document that was submitted on 1/31/07.

M-16-07-03
100-H Remediation
Disapproved - 4/23/07

This change request proposed deleting M-16-50, "Initiate Remedial Actions for Remaining Waste Sites for 100-H Area", due 7/31/07, in order to focus additional resources on 100-D Area remediation efforts. Ecology disapproved CR on 4/23/07; currently in dispute at project manager level to 6/30/07. A revised CR was provided to Ecology on 6/4/07 that proposes extending milestone to 10/31/09 and extending the completion milestone (M-16-51) to 12/31/2012. Also, several target dates are proposed. If this CR is not approved, M-16-50 will still be met.

M-16-07-05
618-10/11 Characterization
SAP
Approved - 5/31/07

This change request modified the M-16-67 milestone description from "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" to "Submit a Characterization Sampling and Analysis Plan (SAP) to EPA for Approval as a Primary Document". The completion date was also moved from 5/31/07 to 6/30/08.

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 March-May 2007.

D4 Closure Project (M-94-06, M-94-07, M-94-03)

100 Area

- Commenced removal of 107N Recirculation Cooling Building resin/stabilize/pack cation and T5 tanks (80% complete).
- Completed below-grade demolition and loadout of 11N Building Pad and 1525N Laydown Storage Area Pad.
- Completed below-grade demolition of 1312N Liquid Effluent Retention Facility (LERF). Loadout is 30% complete.



Worker with Resin Sluicing Wand (107N)

300 Area (M-94-06, M-94-07, M-94-03)

- Completed 305 and 305B backfill.
- Completed demolition and loadout of 306E and 333 buildings (removal of Loewy press from the building is scheduled to be completed in September).
- Started demolition of 3706 building.

324/327 Facilities

- Completed fixative application for 327 Room 20 hood, compactor, and associated exhaust ductwork.
- Continued hazardous material removal from 327 building.
- Continued 327 hot cell waste profile/calculations.

Reactor ISS Closure Project (M-93-22, M-93-20)

- Prepared prequalification package for 105N/109N demolition/safe storage enclosure RFP.

Field Remediation Closure Project (M-16-50, M-16-45, M-16-67)

100 Area (M-16-45, M-16-50)

- Revised previously disapproved change packages (M-16-45 [100-B/C] and M-16-50 [100-H]) and resubmitted for regulator review (see "Change Requests" and "Issues" sections).
- Completed revegetation of nearly 100 areas in 100-B/C Area.
- Completed all loadout and sampling at 118-C-1.
- Continued remediation activities associated with the 100-D-56 pipelines. Completed removal of all pipeline and liquids. Additional areas of soil contamination will require remediation.
- Initiated 600-149 unexploded ordnance (UXO) site characterization planning.
- Performed Laser-Assisted Ranging and Data System (LARADS) surveys at 118-F-1 and sampled anomalies.



Transferring 118-F-1 Anomalous Material into a Sample Jar

- Temporarily suspended 100-K Area excavation and sorting activities on April 12 based on ISMS high-risk ranking.
- Groundwater/source integration activities included revising Fluor Hanford (FH) work order to convert 100-C-7 characterization boreholes to groundwater monitoring boreholes. Also provided 100-D Area FR activities schedule to FH for development of integrated 100-D Area schedule. Presented status of FR groundwater/source integration activities at brown bag meeting.
- Issued six RSVPs Rev. 0 during last quarter.

300 Area (M-16-67)

- Initiated planning for remediation of 300-274, 300-275, and 600-243.
- Deferred start date for 618-7 Burial Ground to October due to ISMS high-risk ranking.
- Issued 300 Area Supplemental Design #2 for the 23 sites north of Ginko Street inside the fence.
- Continued development of path forward for sampling of 618-10/11 Burial Grounds.

RIVER CORRIDOR PROJECT ACCOMPLISHMENTS

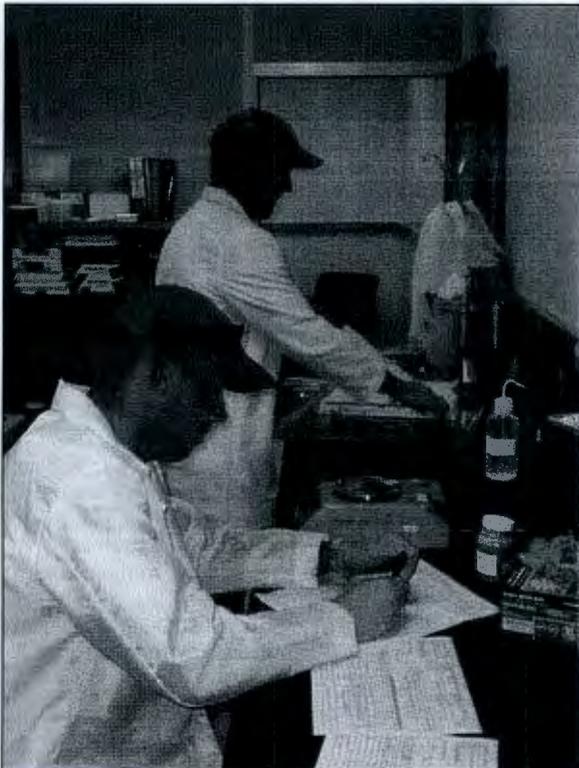
Waste Operations Project

- Completed compaction tests to verify integrity of ERDF. Issued final ORPS report on the falsification of compaction data issue.
- Corrective actions for ERDF subcontractor operational issues are in place.
- Received RL/EPA approval on Waste Placement Plan.
- Completed evaluation of seven prequalification questionnaires for Cells 7/8 RFP clarification requests. Pre-qualified two construction quality assurance (CQA) subcontractors.
- Through May, approximately 896,000 tons of contaminated material have been disposed in ERDF since WCH assumed River Corridor cleanup responsibilities on August 27, 2005. More than 6.9 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 soil, sediment, water, mussel, clam, and aquatic invertebrates sampling in support of the Inter Areas Component of the River Corridor Baseline Risk Assessment (RCBRA). Also, completed preparation of plant, small mammal, and riparian invertebrate samples for analysis.



Subcontractor staff process vegetation samples recently collected for the Inter Areas effort. Two samples were split with Department of Health to measure laboratory accuracy.

- Dispositioned comments on the *Risk Assessment Report for the 100 Area and 300 Area Component of the RCBRA*, Decisional Draft (M-16-72).
- Received preliminary conclusions from the subcontractor on the Columbia River Component existing data gap analysis, and shared results with RL.

Long Term Stewardship

- *Planning for the Transition to Long-Term Stewardship under the River Corridor Closure Contract*, WCH-134, Draft A, document is in review process with EPA. Ecology indicated in May that they would not be commenting on the document.



Located Pre-Hanford Irrigation Canal West of Hanford Town Site

Orphan Sites

- Completed approximately 70% of the field walkdown subtask to support the orphan sites evaluation for 100-IU-6 operable unit (through May).
- Continued historical review subtask to support orphan sites evaluation for the 100-K Area.
- Issued the *100-D Area Orphan Sites Evaluation Report*, Draft A in March for concurrent RL and Ecology review.

RIVER CORRIDOR ISSUES

- **Milestone Disputes:** M-16-45, "Complete Interim Remedial Action for 100-B/C Area", due 6/30/07; M-16-50, "Initiate Remedial Actions for Remaining Waste Sites for 100-H Area", due 7/31/07.
Status: RL continues to work at the project manager level to resolve disputes on M-16-45 and M-16-50 (and M-16-51) milestones. Resolution should be reached on both disputes before the milestone due date for M-16-45. If resolution is not reached by 6/30/07, it will be elevated to the IAMIT level per the TPA process. If resolution cannot be reached on M-16-50, RL plans to begin preparatory work to meet the M-16-50 milestone.
- **118-B-1 Explanation of Significant Difference (ESD):** ESD approval by end of August is expected to avoid potential impacts to 100-B/C workscope.
Status: RL provided a briefing to the Hanford Advisory Board River and Plateau Committee in May 2007. The ESD is under development and will be provided to EPA for review in early June. The ESD will be provided for public notice. Upon finalizing the ESD, backfill of 118-B-1 can begin in early fall and be completed by 12/31/07. This date is the proposed date for extending M-16-45.
- **100-K Area:** There are potential impacts to 100-K Area remediation (M-16-52 due 7/31/09) and reactor interim safe storage (M-93-22 due 9/30/11) milestones associated with the pending M-34 milestones dispute.
- **Integration with Pacific Northwest National Laboratory (PNNL):** WCH and other site contractors are developing scenarios affecting long-term retention of 300 Area buildings needed by the PNNL mission. This could affect multiple TPA milestones and will require deferral of some waste site cleanup over 20 years.

RIVER CORRIDOR PERFORMANCE SUMMARY

RIVER CORRIDOR CLOSURE PROJECT PERFORMANCE SUMMARY Contract Inception (8/27/05) through May 2007 (\$K)

	IPB		CUMULATIVE			SCHEDULE VAR		COST VAR	
	BCWS	EAC	BCWS	BCWP	ACWP	\$	SPI	\$	CPI
D4	628,319	628,319	96,709	127,009	76,092	30,300	1.31	50,918	1.67
Reactor ISS	115,914	115,914	12,316	7,509	5,770	-4,807	0.61	1,739	1.30
Field Remediation	416,255	416,255	89,140	88,804	76,436	-336	1.00	12,368	1.16
Waste Operations	251,860	251,860	30,014	34,523	40,862	4,509	1.15	-6,339	0.84
ESFC	56,179	56,179	8,790	12,573	9,790	3,783	1.43	2,783	1.28
Mission/General Support	322,948	322,948	64,337	64,337	71,095	0	1.00	-6,758	0.90
Transition	3,979	3,979	3,979	3,979	3,752	0	1.00	227	1.06
Contingency	244,337	244,337							
TARGET COST TOTAL	2,039,792	2,039,792	305,286	338,735	283,796	33,449	1.11	54,939	1.19

Schedule Variance Summary:

Through May 2007, the RCC Project was \$33.4M ahead of schedule. The positive schedule variance is attributed to accelerated 300 Area and 100-N Area building deactivations/demolitions; accelerated/completed field remediation at 100-F and 100-B/C Areas; and ERDF support to accelerated work in D4 and Field Remediation Projects. The positive schedule variance is partially offset by 100 Area remediation delays due to discovery of SNF, anomalous waste, tritium concerns, and nuclear safety issues; late approval/award of 105N/109N deactivation and decommissioning subcontract; and stop-work at KE/KW Reactor interim safe storage.

Cost Variance Summary:

At the end of May 2007, the RCC Project had performed \$338.7M worth of work, at a cost of \$305.3M. This results in a favorable cost variance of \$54.9M. 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; and field remediation underruns. The positive underrun is partially offset by overruns due to discovery of chromium, and ERDF overruns due to revised work control program, subcontractor mobilization costs, and transportation costs.

INTEGRATION ISSUES

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

- 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. DOE has developed a detailed integrated plan between the WCH and Fluor activities showing schedules and deliverable. Although discussion continues, DOE-RL is currently expecting WCH to execute vadose zone characterization and remediation.

- Interface Between 200 Area Groundwater Operable Units and River Corridor Baseline Risk Assessment.

Future impacts from 200 Area groundwater operable units have to be estimated at the Columbia River. Statements in a recent workshop on the 200-ZP-1 and 200-PW-1/3/6 operable unit feasibility studies were that information on future impacts had been provided to the River Corridor Baseline Risk Assessment (RCBRA), to be incorporated into the RCBRA. It was implied that the RCBRA would look at future (beyond 2018) impacts from 200 Area groundwater operable units. This implication contradicts current understanding by WCH (and Ecology) that the RCBRA is evaluating risks from current groundwater conditions. This scope topic has since been discussed between Fluor Hanford and WCH to verify a common understanding among the projects.

- 100-N Area Treatment, Storage, and Disposal (TSD) Units Post-Closure Groundwater Monitoring Plan.

Ecology requested, and DOE-RL agreed in principle, to prepare a comprehensive groundwater monitoring plan for the 100-N Area. It would integrate monitoring needs for characterization and remediation, and for CERCLA, RCRA, and AEA requirements. Physical closure activities for the 1324N/1324NA TSDs have been completed, but Ecology has not moved the units into the post-closure portion of the Site-wide RCRA permit. Ecology is waiting on submittal of the comprehensive monitoring plan. Ecology has also drafted unit-specific permit conditions for the 1301N and 1325N TSD units because of this issue.

Awaiting DOE-RL to direct Fluor Hanford to prepare the comprehensive groundwater monitoring plan for 100-N.

**U.S. Department of Energy
Richland Operations Office
Assistant Manager for River Corridor
Fast Flux Test Facility Project
Tri-Party Agreement
M-81 and M-92 Deactivation
Milestones**

June 21, 2007 River Corridor/Fast Flux Test Facility
Tri-Party Agreement Milestones Review Meeting
Washington State Department of Ecology
U.S. Environmental Protection Agency

June 21, 2007

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

FFTF Project Tri-Party Agreement
Remaining M-81 and M-92 Deactivation Milestones
 (Listed Chronologically by Due Date)

Milestone	Milestone Title	Due Date
M-81-10-T01	Submit Final Sodium Disposition Report* (Status: COMPLETED May 03, 2007)	July 31, 2007*
M-92-10	Submit Hanford Site Sodium Disposition Report* to Ecology (Status: COMPLETED May 03, 2007)	July 31, 2007*
M-81-00A-T04	Complete Transfer of Special Fuel to DOE's Idaho National Engineering Laboratory for Consolidated Storage (Status: On Schedule)	March 31, 2009
M-92-09	Establish Milestones and/or Target Dates if Needed for Acquisition of New Facilities, Modifications of Existing Facilities, and/or Modification of Planned Facilities Necessary for Storage, Treatment/Processing, and Disposal of Hanford Site Sodium (Status: On Schedule)	July 30, 2009
M-81-14	Complete FFTF Sodium Drain (Status: Milestone has been completed. Although RL has planned to wait and declare milestone completion by end of FY 2007 once the sodium drain of the large MHTS valves was done, this may change if this work continues on hold due to GNEP).	September 30, 2009
M-81-15	Submit FFTF Surveillance and Maintenance Plan (Status: On Schedule)	June 30, 2010
M-81-00A	Complete FFTF Facility Transition and Initiate the Surveillance and Maintenance Phase (Status: On Schedule)	February 28, 2011
M-81-00A-T05	Complete Auxiliary Plant Systems Shutdown (Status: On Schedule)	February 28, 2011

June 21, 2007

*Report published and issued on May 03, 2007 satisfied both milestones.

DOE-RL FFTF Program Manager Assessment of Contractor Performance

- Fluor Hanford continues to focus on the high priority deactivation activities to support fuel offload and sodium drain.
- Secondary priority of Systems Deactivation continues on plant systems that are no longer needed.
- Project costs and schedule continue to be maintained in control.

Significant Accomplishments

(Last 3 Months)

- **Fuel Offload**

- Completed transfer of irradiated fuel test assembly duct to LANL for testing.
- Completed transfer of mixed oxide fuel pin shipment to INL.
- Completed the T-3 Cask SARP Addendum and transmitted to DOE HQ Office of Licensing (EM-60) for review and approval.
- Received Q1's from LLNL and responses have been transmitted to EM-60.

Significant Accomplishments (Last 3 Months)

- **Sodium Drain**
 - Continued work activities to drain sodium from the large primary MHTS valves by end of FY 2007; however, the drilling to install the dip tubes and sodium drain is on hold while HQ evaluates the impacts to GNEP.
- **Inert Cover Gas Transition**
 - Planned work activities to transition plant system inert cover gas from argon to nitrogen is also on hold while HQ evaluates the impacts to the reactor in relation to GNEP.
- **Hanford Site Sodium Disposition Evaluation Report**
 - May 2007 – Published/issued the report and transmitted to Ecology/EPA; completes TPA M-81-10-T01 and M-92-10 milestones.
- **Auxiliary Systems Shutdown**
 - Completed disposition of 2 of the remaining 10 PCB transformers.

Significant Accomplishments

(Last 3 Months)

- **400 Area WMU RCRA/State Dangerous Waste Permitted Storage of Sodium-Wetted Waste**
 - May 04, 2007 – Ecology issued 2nd Temporary Authorization (May 15, 2007 – November 10, 2007)
 - May 09, 2007 - DOE-RL transmitted certified application and supporting documentation to Ecology for processing.
 - June 05, 2007 - Ecology issued letter approving the Part A Form and completeness of the Part B application [Note: Letter reissued on June 15, 2007 with correct Part A Form (Rev. 1, May 2007)].

Significant Planned Actions (Next 6 Months)

- **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.
 - Initiate transfer of sodium bonded fuel to INL.
- **Sodium Drain**
 - Continue work activities in preparation for sodium drain of the MHTS valves by FY 2007; Drilling and draining is on hold.
- **Inert Cover Gas Transition**
 - Continue work activities in preparation for transition of plant system inert cover gas from argon to nitrogen (Note: transition work on hold).
- **Auxiliary Systems Shutdown**
 - Continue systems shutdown when they are no longer needed.
 - Complete removal and disposition of 3 PCB transformers (by FY 2007).

Significant Planned Actions (Next 6 Months)

- **400 Area WMU RCRA/State Dangerous Waste Permitted Storage of Sodium-Wetted Waste**
 - Ecology continues review of the SEPA checklist (submitted with the application) and preparation of the draft Part B permit.
 - Maintaining durations on revised working schedule (March 2007) to achieve permit effective before expiration of the 2nd Temporary Authorization (November 10, 2007).

Schedule/Cost Performance

Fiscal Year to Date Status (\$000s) through 05/07

<u>Description</u>	<u>BCWS</u>	<u>BCWP</u>	<u>ACWP</u>	<u>SV</u>	<u>CV</u>	<u>BAC</u>
FFTF	\$18,795.0	\$18,422.0	\$18,260.7	(\$373.0)	\$161.3	\$28,742.8

Variance Analysis:

- SV – The negative schedule variance is mostly attributed to the Fuel Offload and FFTF shutdown/deactivation activities
- CV – The positive cost variance is mostly attributed to the FFTF Surveillance & Maintenance and Sodium Residuals Project Support being under budget and positive overhead pass backs. This is partially offset by the Fuel Offload and FFTF deactivation activities being over budget.

Project Issues/Risks

- Delay or denial of MOA by HQs for commitment to provide funding for sodium-bonded fuel storage and processing at INL.
- Delay of receipt of the T-3 Cask Addendum by August 2007 to enable shipment of sodium-bonded fuel to DOE Idaho.
- The GNEP may have effects on the FFTF Project.
- Delay in issuance of 400 Area WMU RCRA permit for sodium-wetted waste effective within timeframe of second Temporary Authorization.
 - In the May 24, 2007 TPA PMM, Ecology reported it unlikely an operating permit for the 400 Area WMU would be issued by November 10, 2007, the expiration date of the 2nd TA.
 - Renewal of the Hanford Facility RCRA Permit (Rev. 9) is not expected to be issued until after the second TA's expiration date, and Ecology is focusing their efforts and resources on issuing the renewed permit.
 - Working schedule shows 45-day public comment period on draft 400 Area WMU permit from July 09, 2007 – August 22, 2007. If the July 09, 2007 start date is not met, the schedule's critical path could be impacted and jeopardize issuance of operating permit by November 10, 2007. Could result in noncompliance and resulting NOV's/fines, unless worked otherwise with Ecology.

Summary

- Progress continues to be made on the T-3 Cask SARP addendum.
- GNEP issues continue to be worked for resolution.
- Continue working with contractor and Ecology to obtain timely 400 Area WMU RCRA permit for storage of sodium-wetted waste.



June 21, 2007

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