

Meeting Minutes
December 18, 2001
Tri-Party Agreement Milestone Review

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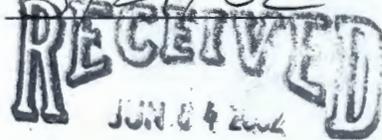
Approval: 
Michael A. Wilson (B5-18)
Ecology IAMIT Representative

Date: 5/21/02

Approval: 
W. Wade Ballard (A5-12)
RL IAMIT Representative

Date: 5/21/02

Approval: 
M. L. Goldstein (B5-01)
*Chairperson and Acting
EPA IAMIT Representative*

Date: 5/21/02


Minutes Prepared by: 
 Approval: 
Eileen Murphy-Fitch (A1-14)
Fluor Hanford, Inc.

EDMC

Date: 5/21/02

Ballard, W. W.	RL	A5-12	Piippo, R. E.	FH	A1-14
Bilson, H. E.	RL	H0-12	Price, J.	Ecology	B5-18*
Boston, H. L.	ORP	H6-60	Robertson, O.	RL	H0-12
Cusack, L.	Ecology	B5-18*	Rodriguez, H. M.	RL/ORP	A5-15
Dagan, E. B.	RL	A5-15	Sanders, G. H.	RL	H0-12
Foley, B. L.	RL	H0-12	Sherwood, D. R.	EPA	B5-01*
Gay, R.	CTUIR		Skinnarland, E. R.	Ecology	B5-18
Goodenough, J.	DOE	H0-12	Sobczyk, S.	NezPerce	
Hales, J. E.	FH	A1-14	Stanley, R.	Ecology	Lacey*
Hedges, J.	Ecology	B5-18	Walsh, J. L.	BHI	H0-11
Henry, D.	OOE		Wilson, M. A.	Ecology	B5-18
Hertz, J. S.	FH	A1-14	Wintczak, T. M.	BHI	H0-09
Jim, R.	Yakama*		Warren, R. N.	RL	H0-12
LaRue, D. N.	BHI	H0-11	Wisness, S. H.	RL	A5-58
Logan, T. E.	BHI	H0-09	Yerxa, J. K.	RL	A5-15
Moy, S. K.	RL	H0-12	Administrative Record	EDMC	H6-08*
Morrison, R. D.	FH	A1-14*	<i>*w/Attachments</i>		
Murphy-Fitch, E. J.	FH	A1-14*	<i>File: Revised TPAM_12_01.doc</i>		

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Tri-Party Agreement Milestone Review December 18, 2001

ENVIRONMENTAL RESTORATION PROJECT

Eighteen Tri-Party Agreement milestones were completed ahead of schedule in CY 2001 – fourteen in FY 2001 and four in FY 2002. Of the milestones completed, 5 were remedial actions, 4 were in the 200 Area (draft work plan and field work completion), 1 ISRM and installation of 8 Resource Conservation and Recovery Act (RCRA) groundwater wells. In addition, the path forward for the 300-FF-1 backfill/revegetation milestone was determined and includes the 618-4 Burial Grounds.

Negotiation of the 100/300 Area activities (also known as the River Corridor Project [RCP]) associated with Tri-Party Agreement Milestones M-016, M-093 and M-094 continued through December 2001. The Tentative Agreement and proposed change requests will be subject to public review. In addition, negotiations on the remaining 200 Area non-tank farm soil waste sites workscope (now known as the Central Plateau; Tri-Party Agreement Milestones M-013, M-015, M-016, and M-020) are underway and will follow the same process review/approve process as the RCP. It is anticipated that the public comment period for the RCP proposed changes will begin January 28, 2002, and conclude March 14, 2002.

ER Challenges:

River Corridor:

Tri-Party Agreement Major Milestone M-016-00F requires that the date for completion of all 100 Area Remedial Actions be established by December 31, 2001. The completion date for this milestone is addressed in the River Corridor Agreement-in-Principle and states that the M-016-00F milestone will be considered complete if the draft Tri-Party Agreement Class I Change Requests and Tentative Agreement are agreed to by the parties by December 31, 2001 and the Tri-Party Agreement Change Requests approved by April 30, 2002.

Central Plateau

The parties are negotiating an Agreement in Principle (AIP) covering Tri-Party Agreement commitments for 200 Area RI/FS work plans (M-013-00), 200 Area pre-ROD site investigations (M-016-00C), remedial actions for non-tank farm operable units (M-016-00), and Part B applications or closure/postclosure plans (M-020). These negotiations will conclude with a proposed Tentative Agreement and Tri-Party Agreement Change Packages by January 31, 2002 and will conclude following public review and comment no later than June 5, 2002.

WASTE MANAGEMENT

Complete STD Facilities for TRU/TRUM, LLMW and GTC3 (M-091-00)

The M-091-01, Complete acquisition ofto dispose of all Hanford Site post-1970 Transuranic/ Transuranic Mixed-Waste (TRU/TRUM), and M-091-03, Hanford Site Project Management Plan (PMP) Two milestones are in the dispute resolution process. Tri-Party Agreement target date M-091-18-T01, Complete Physical activities at T-Plant Necessary to Store Floor and Pit Sludge, due September 30, 2002, is on schedule. Tri-Party Agreement Interim Milestone M-091-12A, Complete thermal treatment and disposal of 240 m³ of contact handled LLMW is in jeopardy due to Allied Technology Group's (ATG) suspension of operations. Funding may become an issue for this activity. ATG has maintained a small crew to ensure that the waste is secured and there is no threat to human health/environment.

Land Disposal Restrictions (LDR) Report (M-026-01)

Ecology notified DOE on November 28, 2001, that the Final Calendar Year (CY) 2000 LDR Report was inadequate. The dispute resolution process invoked in accordance with Tri-Party Agreement, Article VIII, Resolution of Disputes, and Section 9.2.1 of the Tri-Party Agreement Action Plan. Close out of the CY 2000 LDR Report is critical to the success of the CY 2001 LDR Report. The data call for the CY 2001 LDR Report is out and input is due January 21, 2002. Ecology and DOE agreed that the dispute should be extended to January 31, 2002, to allow the project manager's more time to resolve the issues.

AGENDA
TRI-PARTY AGREEMENT MAJOR MILESTONE
MANAGEMENT REVIEW

CHAIRPERSON: D. R. Sherwood

Tuesday, December 18, 2001
712 Swift Blvd., Suite 5, EPA Conference Room

<u>TIME</u>	<u>MILESTONE</u>	<u>TITLE</u>
8:00 am	M-13-00	Complete RI/FS Submittals
	M-15-00	RI/FS Process Completion
	M-16-00	Complete Remedial Actions
	M-24-00	RCRA Well Installation
	M-93-00	Disposition of Surplus Reactors
9:15 am	M-26-01	Land Disposal Restrictions
	M-91-00	Acquisition of Facilities to TSD TRU/TRUM, LLMW and GTC3
10:00 am	Adjourn	

ATTENDEES

**Tri-Party Agreement Milestone Review
December 18, 2001**

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>	<u>ATTACHMENTS</u>
JEFF HERTZEL	FH		
Tom Wintczak	BHI		
Tom Logan	BHF		
Beth Bilson	DOE-RL		
Laura Cosack	Ecology		✓
Doug Sherwood	EPA		
JENNIS FAULK	EPA		
George Sanders	DOE-RL		
Joe Heddon	DOE-RL		
John Price	Ecology		
Ellen MATTUN	DOE-RL-PCA	A5-15	X
DEENA LARUE	BHI		
Bob McLeod	DOE		
Bryan L. Foley	DOE		
Erin Skinnerville	Ecology		
Jane Hodges	Ecology		
Greg Sinton	DOE-RL		
KEN HLADAK	FH/WMP		
DALE MCKENNEY	FH/WMP		
Woody Russell	DOE-ORP	H6-60	✓
Mary Burandt	DOE-ORP	H6-60	✓
WADE BALLARD	DOE-AME		

Richland Environmental Restoration Project

TPA Quarterly Review



Tri-Party Agreement

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

December 18, 2001

ENVIRONMENTAL RESTORATION PROJECT

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3. PROJECT FY01 ACCOMPLISHMENTS / FY02 OVERVIEW

- Remedial Action and Waste Disposal Project
- Groundwater/Vadose Zone Integration Project
- Decommissioning Projects
- Surveillance/Maintenance and Transition Projects
- Program Management and Support

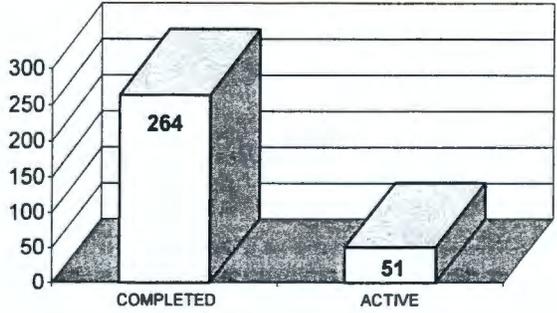
4. CURRENT ISSUES

5. COST / SCHEDULE STATUS

- FY01 Summary
- TPA Schedule

ENVIRONMENTAL RESTORATION PROJECT

TPA Milestone Statistics Major & Interim (Excludes Target Milestones)

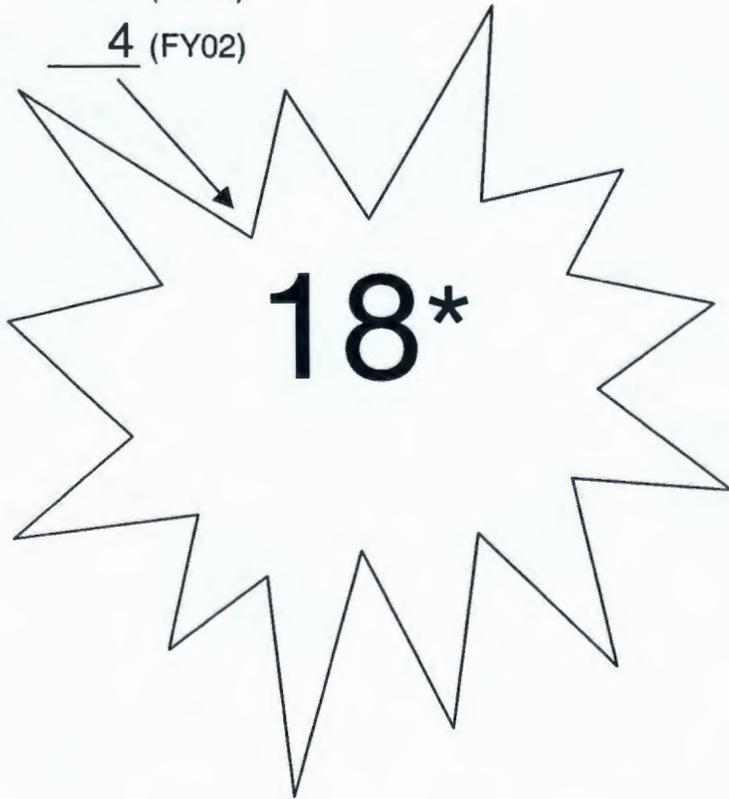


	Compliance Due Date	Total Active @ 11/2001	Milestone Number	Compliance Due Date	Milestone Number	Compliance Due Date
M-13-00 Submit Work Plans for RFI/CMS or RI/FS Studies (Groundwater/Vadose)	12/31/2005 (M-13-00P)	6	M-13-26 M-13-00L M-13-00M M-13-00N M-13-00O M-13-00P	12/31/01 12/31/01 12/31/02 12/31/03 12/31/04 12/31/05		
M-15-00 Site Investigations / Feasibility Studies (Groundwater/Vadose)	12/31/2008 (M-15-00)	13	M-15-40A M-15-42B M-15-41B M-15-38A M-15-40B M-15-39A M-15-41C M-15-42C	9/30/02 9/30/02 10/30/02 3/31/03 5/31/03 9/30/03 3/31/04 3/31/04	M-15-39B M-15-40C M-15-39C M-15-00C M-15-00	5/31/04 10/31/04 11/30/05 12/31/08 12/31/08
M-16-00 Remedial Design / Remedial Action (Remedial Action / Groundwater)	9/30/2018 (M-16-00)	16	M-16-00F M-16-27B(C) M-16-26B M-16-41B(C) M-16-03A M-16-03G M-16-27C M-16-10A M-16-03H M-16-26E M-16-13B M-16-26F	12/31/01 12/31/01 3/31/02 3/31/02 6/30/02 9/30/02 9/30/02 8/1/03 12/31/03 9/30/04 10/29/04 2/28/05	M-16-00 M-16-01 M-16-00A M-16-00B M-16-41C M-16-03I	9/30/18 TBD TBD TBD TBD TBD
M-20-00 Submit Closure Plans for All RCRA TSD Units (Groundwater/Vadose)	(Shared with FH) 2/28/2004 (M-20-54)	5	M-20-39 M-20-33 M-20-52	2/28/03 10/31/03 12/31/03	M-20-53 M-20-54	12/31/03 2/28/04
M-24-00 RCRA Groundwater Monitoring (Groundwater/Vadose)	12/31/2006 (M-24-00R)	5	M-24-53(C) M-24-54(C) M-24-55(C) M-24-00M(C) M-24-00N M-24-00O M-24-00P M-24-00Q M-24-00R	12/31/01 12/31/01 12/31/01 12/31/01 12/31/02 12/31/03 12/31/04 12/31/05 12/31/06		
M-70-00 ERDF Operational	7/01/1996A (M-70-00)	0				
M-93-00 Reactors on River Final Disposition (Decommissioning)	TBD (M-93-00)	6	M-93-12 M-93-14 M-93-10	2/28/02 6/30/03 7/31/03	M-93-11 M-93-15 M-93-00	9/30/03 12/31/03 TBD
TOTAL ACTIVE MILESTONES		51	6	MILESTONES COMPLETED IN FY02 (C)		

FY01 ER TPA SUMMARY

14 (FY01)

4 (FY02)



5 - Remedial Action

Initiated 100 B/C pipeline remediation
Completed backfill of LWS/pipelines at 100 D / 100 H Areas
Completed J.A. Jones / 600-23 excavation

4 - 200 Area

Submitted 200-PW-2 Draft A Work Plan
Completed 200-TW-1 / -2 field work (FY02 - 2 milestones)

1 - ISRM

Completed Phase I

8 - RCRA Wells

Completed total of 21 wells in FY01 (FY02 - 2 milestones)

**All completed ahead of schedule*

Significant FY01 negotiation accomplishment: Determined path forward for 300-FF-1 backfill/revegetation completion, including 618-4 Burial Ground.

FY 2001 TPA MILESTONE SUMMARY
(Excludes Target Milestones)

Status as of: September 30, 2001

PBS	Milestone	Title	Compliance Date	Forecast/ Actual Date	Completed		Forecast			Unrecov erable	Deleted	
					Ahead Schedule	On Schedule	Ahead Schedule	On Schedule	Behind Schedule			
ER02	M-13-00K	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	12/31/00	12/21/2000(A)	X							
ER02	M-13-25	Submit Uranium Rich Process Waste Group (200-PW-2) Work Plan	12/31/00	12/21/2000(A)	X							
ER08	M-16-27A	Complete 100-HR-3 Phase I, ISRM Barrier Emplacement (Planning, Well Installation, and Barrier Emplacement)	12/31/00	11/01/2000(A)	X							
ER08	M-24-46	Install Two Additional Wells at SST WMA S-SX	12/31/00	12/27/2000(A)	X							
ER08	M-24-47	Install Four Additional Wells at SST WMA T	12/31/00	12/27/2000(A)	X							
ER08	M-24-48	Install Four Additional Wells at SST WMA TX-TY	12/31/00	12/27/2000(A)	X							
ER08	M-24-00L	Install RCRA Groundwater Monitoring Wells at Rate of up to 50 in CY00 if Required	12/31/00	12/27/2000(A)	X							
ER10	C-10-08	Issue Hanford Site Waste Management Unit Report	01/31/2001	01/11/2001(A)	(TPA commitment milestone not included in total count)							
ER01	M-16-26D	Begin Excavation Activities at 100 B/C Process Effluent Pipelines	02/28/2001	02/26/2001(A)	X							
ER08	M-24-49	Install Three Additional Wells at SST WMA S-SX	04/30/2001	03/30/2001(A)	X							
ER08	M-24-50	Install Two Additional Wells at SST WMA TX-TY	04/30/2001	04/02/2001(A)	X							
ER01	M-16-07B	Complete Remediation and Backfill of 22 Liquid Waste Sites and Process Effluent Pipelines in the 100-DR-1 and 100-DR-2 Operable Units as Defined in Remedial Design Report/Remedial Action Work Plan for the 100 Area	07/31/2001	02/28/2001(A)	X							
ER01	M-16-41A	Complete Remedial Action Excavation for JA Jones 1 and 600-23 Waste Sites	07/31/2001	07/25/2001(A)	X							
ER01	M-16-26C	Complete Remediation and Backfill of 10 Liquid Waste Sites and Process Effluent Pipelines in the 100-HR-1 Operable Unit as Defined in Remedial Design Report/Remedial Action Work Plan for the 100 Area	09/30/2001	07/19/2001(A)	X							
ER01	M-16-26G	Remove Filter Boxes and Complete Verification Sampling for 100-B-12 Waste Site	09/30/2001	05/31/2001(A)	X							
ER03	*M-16-03E	Complete Remediation of Waste Sites in 300-FF-1 Operable Unit (excluding 618-4 Burial Ground), to Include Excavation, Verification, and Backfilling	09/30/2001								X	
ER02	**M-15-41A	Complete 200-TW-1 Operable Unit Field Work Through Drilling and Sample Collection	10/31/2001 (FY02)	07/20/2001(A)	X							
ER02	**M-15-42A	Complete 200-TW-2 Operable Unit Field Work Through Drilling and Sample Collection	10/31/2001 (FY02)	09/29/2001(A)	X							
ER08	**M-24-51	Install Three Additional Wells at SST WMA B-BX-BY	12/31/2001 (FY02)	09/05/2001(A)	X							
ER08	**M-24-52	Install Three Additional Wells at SST WMA U	12/31/2001 (FY02)	09/29/2001(A)	X							
TOTAL FY 2001 TPA Milestones			19		18	0	0	0	0	0	1	

M-16-26B completion date revised from 2/28/2001 to 3/31/2002 (FY02) per CR M-16-00-05.

M-13-26 completion date revised from 6/30/01 to 12/31/01 (FY02) to allow time for carbon tetrachloride investigation (per CR M-13-01-01).

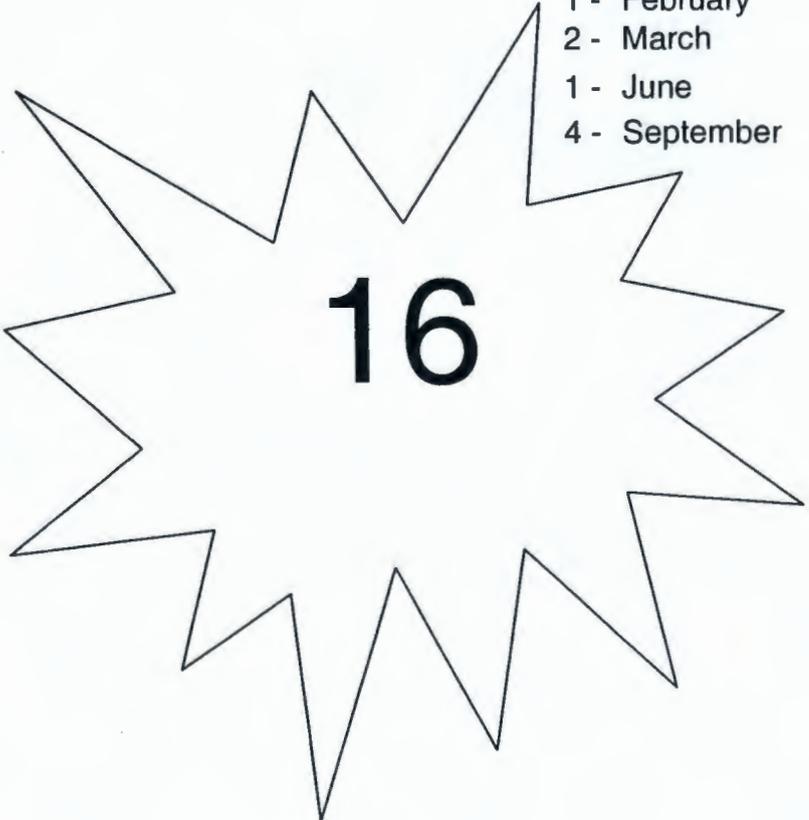
*M-16-03E was deleted and replaced with three new out-year milestones (M-16-03G, -03H, -03I) per CR M-16-01-03.

**FY02 milestone completed ahead of schedule in FY01.

FY02 ER TPA SUMMARY

Due in:

- 8 - December
- 1 - February
- 2 - March
- 1 - June
- 4 - September



16

5 - Remedial Action

Establish remaining milestones for 100 / 300 Areas
Complete remed/backfill/revegetate several sites in 100 Area
Submit CVPs for J.A. Jones / 600-23
Establish ERDF staging area for 618-4 drums

4 - 200 Area

Complete three work plans; field work; RI report

2 - ISRM

Complete Phase II / Phase III

4 - RCRA Wells

Complete remaining CY01 wells; negotiate CY02 wells

1 - DD

Will be addressed in upcoming 100 Area negotiations

Major focus for FY02: Negotiate remaining milestones for 100 / 300 Area (M-16), including the M-93 reactor milestones. Also, begin negotiations for 200 Area, including M-13, M-15, M-16, M-20 milestones.

**FY 2002 TPA MILESTONE SUMMARY
(Excludes Target Milestones)**

Status as of: November 30, 2001

PBS	Milestone	Title	Compliance Date	Forecast/ Actual Date	Completed		Forecast			Unrecov erable	Deleted	
					Ahead Schedule	On Schedule	Ahead Schedule	On Schedule	Behind Schedule			
RC01	M-16-00F	Establish Date for Completion of All 100 Area Remedial Actions	12/31/2001					X				
RC01	M-16-27B	Complete 100-HR-3 Phase II, ISRM Barrier Emplacement	12/31/2001	11/20/2001(A)	X							
CP01	M-13-26	Submit Plutonium/Organic-Rich Process Waste Group (200-PW-1) Work Plan	12/31/2001	12/20/2001			X					
CP01	M-13-00L	Submit 3 200 NPL RI/FS (RFI/CMS) Work Plans	12/31/2001					X				
SS03	M-24-53	Install Two (2) Additional Wells at SST WMA TX-TY	12/31/2001	11/08/2001(A)	X							
SS03	M-24-54	Install One (1) Additional Well at SST WMA T	12/31/2001	10/18/2001(A)	X							
SS03	M-24-55	Install Two (2) Additional Wells at SST WMA S-SX	12/31/2001	11/08/2001(A)	X							
SS03	M-24-00M	Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in Calendar Year 2001 if Required	12/31/2001	11/08/2001(A)	X							
RC01	C-10-11	Issue Hanford Site Waste Management Unit Report	01/31/2002		(TPA commitment milestone not included in total count)							
RS02	M-93-12	Issue 105-DR Disposition Competitive Procurement Package for Ascertaining the Most Effective and Efficient Approach to FEIS ROD Selected Alternative Implementation	02/28/2002					X				
RC01	M-16-26B	Complete Remediation and Backfill of 51 Liquid Waste Sites in 100-BC-1, -BC-2, -DR-1, -DR-2, and -HR-1 OUs and Process Effluent Pipelines in 100-DR-1, -DR-2, and -HR-1 OUs. Complete Revegetation of 36 Liquid Waste Sites in 100-BC-1, -DR-1, -DR-2, and -HR-1 OUs as Defined in RDR/RAWP for 100 Area	03/31/2002	01/09/2002			X					
RC01	M-16-41B	Submit Closeout Verification Package for JA Jones 1 and 600-23 Waste Sites for EPA Approval	03/31/2002	11/30/2001(A)	X							
RC02	M-16-03A	Establish Date for Completion of 300 Area Remedial Actions	06/30/2002					X				
RC02	M-16-03G	Establish an ERDF Staging Area that is Ready to Receive Drummed Waste from 618-4 Burial Ground in Accordance with an ERDF ROD Amendment	09/30/2002	02/01/2002			X					
CP01	M-15-40A	Complete U Pond/Z Ditches Cooling Water Group Field Work Through Sample Collection and Analysis (200-CW-5)	09/30/2002					X				
CP01	M-15-42B	Submit 200-TW-2 OU Draft A Remedial Investigation Report to Ecology	09/30/2002					X				
RC01	M-16-27C*	Complete 100-HR-3 Phase III, ISRM Barrier Emplacement	09/30/2002	12/31/2002						X		
TOTAL FY 2002 TPA Milestones			16		6	0	3	6	0	1	0	

* M-16-27C - An Explanation of Significant Difference (ESD) and change request are being developed to extend milestone completion date three months.

ENVIRONMENTAL RESTORATION PROJECT

TPA Change Requests (September - November 2001)

There were no change requests approved during September - November 2001.

Proposed TPA Change Requests

M-016-01-04
100 Area
Remedial Actions
M-16-00F
Disapproved - 9/30/01

This change request proposed a date extension for M-16-00F, "Establish Date for Completion of All 100 Area Remedial Actions" from December 31, 2001 to April 15, 2002. The regulators disapproved this change request on September 30, 2001. The Tri-Parties signed an AIP on October 31 that established the basis for negotiating the remaining M-16 and M-93 milestones for the 100/300 Areas. Milestone change packages are expected to be completed by December 31, 2001.

M-013-01-02
200 NPL RI/FS Work
Plans
M-13-00L
Disapproved - 9/30/01

This change request proposed that M-13-00L (due December 31, 2001) be revised to change the number of 200 NPL RI/FS work plans due from three to one for CY01. The regulators disapproved this change request on September 30, 2001. Per RL direction, BHI initiated development of two additional work plans, 200-LW-1 and 200-MW-1, in October. All three work plans are scheduled to be transmitted to the regulators by December 31, 2001.

M-15-00-06
200-PW-2 OU
Assessments
Proposed

This change request proposes adding three interim milestones to implement additional activities for the 200-PW-2 Operable Unit Remedial Investigation/Feasibility Study process:

M-15-43A (09/30/03) - Complete 200-PW-2 OU Field Work Through Sample Collection and Analysis

M-15-43B (06/30/04) - Submit 200-PW-2 OU Draft A Remedial Investigation Report to Ecology

M-15-43C (12/31/05) - Submit 200-PW-2 OU Draft A Feasibility Study/Process Waste Closure Plans and Draft A Proposed Plan/Permit Modification to Ecology

This change request will be considered based on the outcome of planned M-13, 15, 16, and 20 renegotiations.

STATUS BY PROJECT

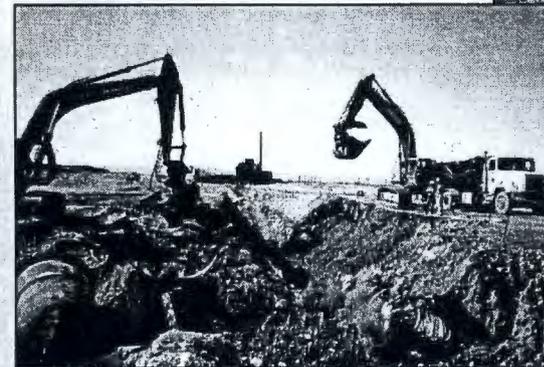
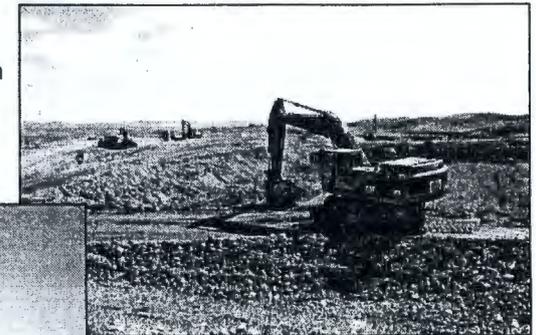
Remedial Action and Waste Disposal

Major Accomplishments

Accomplishments

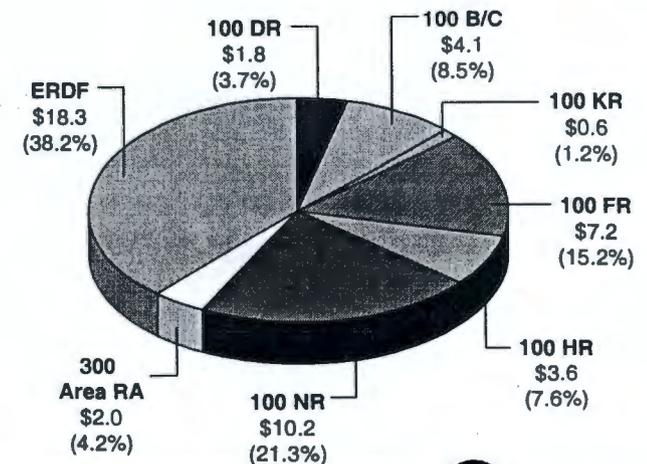
- Completed excavation of 16 contaminated waste sites (*originally planned 12*).
- Removed, transported, and disposed of over 553,000 metric tons (610,000 tons) of contaminated waste (*originally planned 505,000 tons*).
- Initiated 100 B/C Area pipeline remediation; excavation of three concrete pipelines and three river outfall structures was completed.
- Completed backfill of all contaminated liquid waste sites and pipelines in the 100 D and H Areas.
- Continued 100 F Area soil and pipeline remediation activities.
- Completed demolition, size reduction, excavation, and shipment of highly contaminated debris and soil from the 116-N-3 Crib structure.
- Completed remediation of the 116-N-3 effluent pipeline (including associated miscellaneous structures) and the 116-N-3 bypass structure.
- Received regulator approval for the 300-FF-2 Operable Unit Record of Decision (ROD).
- Initiated the 300-FF-2 partitioning coefficient (Kd) uranium leachability study.
- Completed excavation activities at the J.A. Jones #1 and 600-23 waste sites.
- Completed sampling and analysis and shipped 57 drums containing granular uranium oxide from the 618-4 Burial Ground to ERDF.
- Completed an integrated procurement package for the 618-4 and 618-5 Burial Ground drummed waste remediation.
- Received non-ER waste at ERDF consisting of ion exchange modules from K Basin and demolition debris from the Hanford Generating Plant.
- Began disposing of contaminated waste into ERDF Cell #3 in June.
- Logged over 8.7 million kilometers (5.5 million miles) transporting contaminated waste to ERDF without an at-fault accident since ERDF began operations in July 1996.
- Achieved over five years of operations at ERDF without a lost day injury.

Excavating plumes of contaminated soil from the 116-N-3 Crib.



Removal of a 48-inch concrete pipe at 100 B/C. B Reactor is in the background.

FY01 Subproject Actual Costs
(Project Total \$47.8 Million)

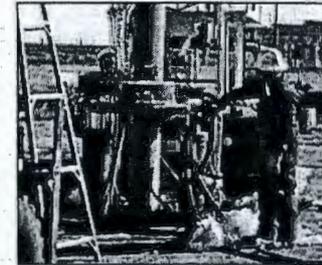


Groundwater/Vadose Zone Integration

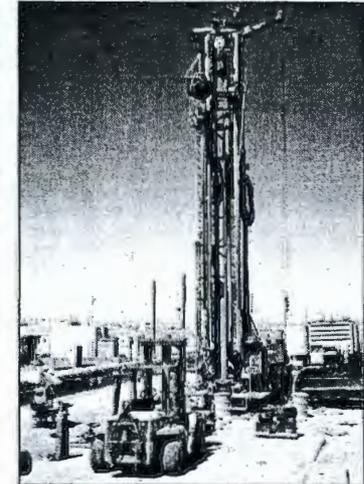
FY01 Major Accomplishments

Accomplishments

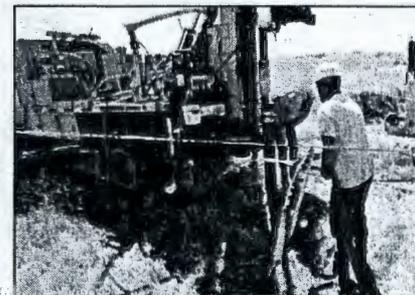
- Completed the ISRM Project Phase II barrier injections.
- Completed installation of 32 wells and chemically injected 28 wells, in support of Phase II ISRM Project.
- Completed installation of 21 RCRA groundwater monitoring wells.
- Completed decommissioning of all 90 planned wells. Completed Phase 1A of the 100/600 Area River Corridor.
- Completed soil gas sampling and groundwater grab sampling assessment of the 618-11 Burial Ground tritium plume.
- Exceeded 90% planned availability on all five pump and treat systems; processed 1.1 billion liters of groundwater; removing carbon tetrachloride, strontium, and chromium.
- Restarted the 200-ZP-2 vapor extraction system at mid-year. Approximately 2.5 billion liters of vapor have been processed, removing 709 kilograms of carbon tetrachloride. (Removed 200-ZP-2 from service for winter shutdown in October 2001; planned restart in April 2002.)
- NAS completed an 18-month review of GW/VZ Science and Technology (S&T) aspects; a formal report on S&T cleanup was issued.
- Conducted three Expert Panel meetings; focus was on Columbia River issues, Integration Project status and transition strategies, and the System Assessment Capability (SAC) initial assessment rollout.
- Completed history matching for running the SAC model to test integrated performance.
- Initiated biological fate and transport experiments to help determine the impacts of technetium-99 on aquatic species.
- Deployed the Integration Project's first module of the virtual library.
- Received regulator approval for two operable unit work plans to characterize cooling water and chemical sewer waste sites (21 total sites).
- Completed the 200-PW-2 Uranium-Rich Process Waste Group Operable Unit Work Plan Rev. 0 and transmitted to the regulators.
- Completed the 200-TW-1 Scavenged Waste Group and 200-TW-2 Tank Waste Group Operable Units drilling, sampling, and geophysical borehole operations.
- Completed installation of 200-UP-1 Monitoring Well
- Completed deepening of two existing wells in the 200-PW-1 OU to support carbon tetrachloride.



ISRM well completion.

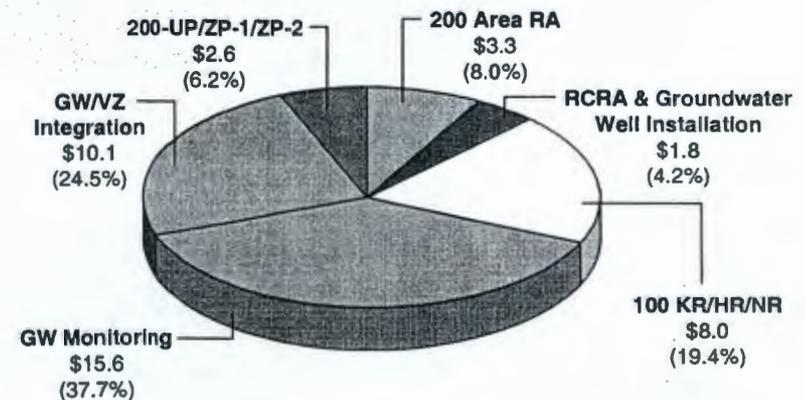


Air rotary rig at 241-U Tank Farm.



Well decommissioning subcontractor personnel performing well casing installation activities.

FY01 Subproject Actual Costs (Project Total \$41.3 Million)



Decontamination and Decommissioning

FY01 Major Accomplishments

Reactor ISS Accomplishments

- Completed all planned concrete pourbacks at F and DR Reactors.
- Completed DR Reactor demolition.
- Awarded the Safe Storage Enclosure (SSE) contract for F and DR Reactor roofs in May.
- Completed F Reactor Fuel Storage Basin (FSB) upper fill removal in January. Implemented a remote-controlled excavator in the FSB to assist in sample collection and removal of high contamination areas within the remaining one meter (three feet) of fill. *(Ten spent fuel elements have been removed and shipped to K Basin through November 2001.)*
- Initiated ISS at D and H Reactors; completed hazardous material removal, asbestos abatement, liquid pipe checks, pipe/equipment removal, and backfill in the valve pit/supply fan area.

Other D&D Work

- Completed demolition of the 384 Oil Bunker Tank (a Fluor Hanford, Inc. [FH] building located in the 300 Area).
- Completed above-grade demolition of the 303-K Building (a Fluor Hanford, Inc. [FH] building located in the 300 Area).

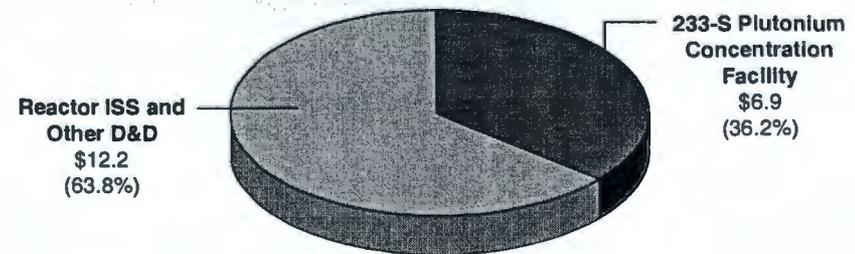


Demolition activities at D Reactor.



The *Link*™ remote controlled excavator (approx. 7 ft long) digging holes in support of sampling activities in the F Reactor Fuel Storage Basin.

Total ISS and 233-S FY01 Subproject Actual Costs (Project Total \$19.1 Million)

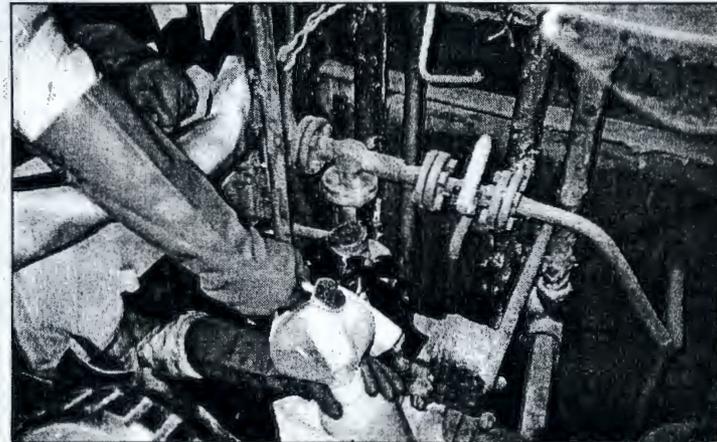


Decontamination and Decommissioning

FY01 Major Accomplishments

233-S Accomplishments

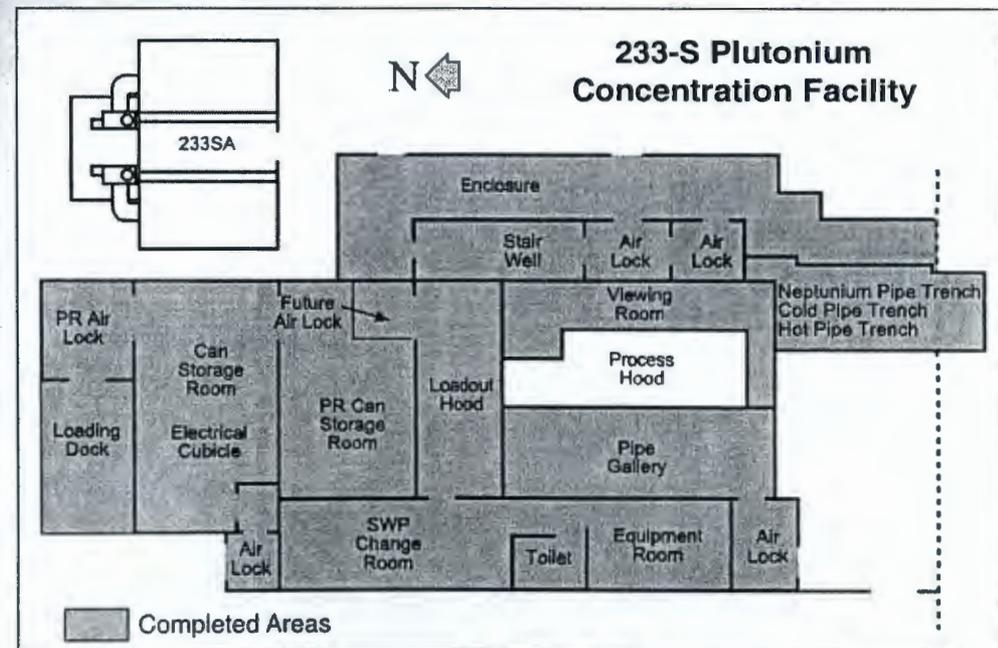
- Made 3,382 entries in FY01 into the 233-S facility with no significant radiological event occurring. Over 10,000 entries have been made since project inception.
- Removed nine process hood vessels; originally, only three vessels were planned for removal in FY01. A total of 15 vessels are planned for removal by June 2002. (11 vessels have been removed through November 2001.)
- Completed removal of 492 meters (1,613 feet) of process hood piping.
- Completed nondestructive assay of 753 waste packages.
- Completed the first transuranic waste shipment from the ERC to Central Waste Complex.



Removing resin from the L-18 vessel at 233-S.



Vessel removal.



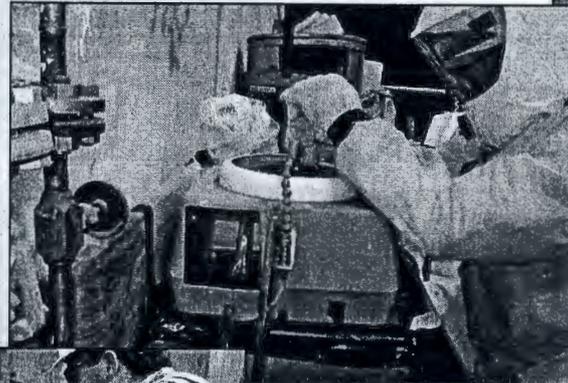
Surveillance/Maintenance and Transition

FY01 Major Accomplishments

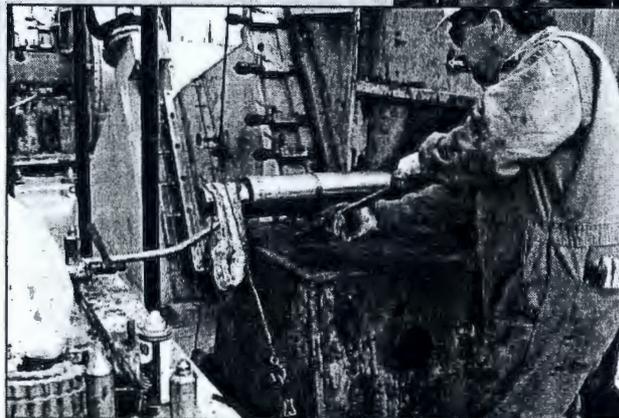
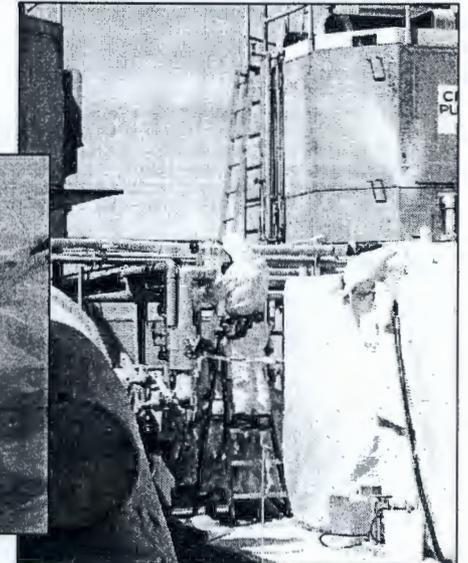
Accomplishments

- Completed the Canyon Disposition Initiative (CDI) feasibility study, proposed plan, and issued data summary report. (Transmitted Proposed Plan Rev. B to RL in October 2001.)
- Completed all planned FY01 roof repairs/maintenance at U Plant, REDOX, and 212 North.
- Completed asbestos abatement in the 100 and 200 Areas.
- Completed hexone in-tank characterization and sampling activities in the 200 Area.
- Developed the B Reactor EE/CA and completed a public comment/review period.
- Completed structural inspection of the Plutonium-Uranium Extraction (PUREX) Facility canyon roof, and issued final report.
- Completed interim stabilization of four waste sites.
- Completed all planned herbicide applications. Issued the FY00 Radiation Area Remedial Action (RARA) annual report.
- Completed all surveillance and PM activities.
- In November 2001, teamed with FH to begin development of PUREX and B Plant reroofing scope requirements.

A nuclear process operator grinding core samples at the 221-U Canyon Deck.

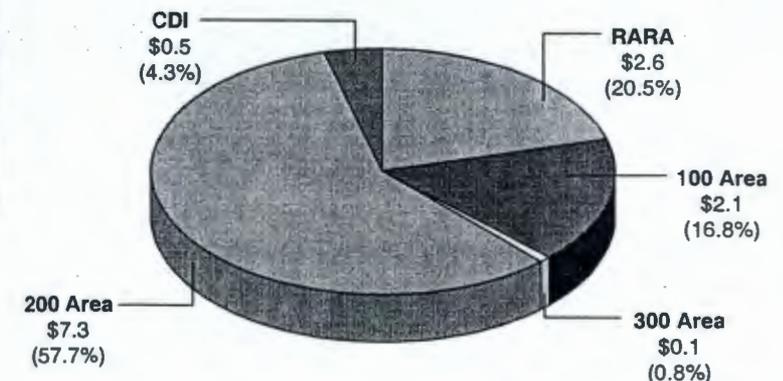


Worker setting up plastic enclosure barrier in preparation of asbestos abatement/removal at 181-N Pump House.



Worker repairing an exhaust fan at REDOX.

FY01 Subproject Actual Costs
(Project Total \$12.6 Million – EM-40 only)



Program Management and Support

FY01 Major Accomplishments



Evaluating monthly expenditure forecasts.



Discussing funding issues at the Results Management Team meeting.

Accomplishments

- Developed ER Project Baseline Update, utilizing a new work breakdown structure.
- Realized significant savings from waste minimization activities. *25 million*
- Deployed 22 technologies in support of accelerated cleanup of the Hanford Site.
- Participated in DOE national-level ISMS workshop.
- Presented a briefing to the House Nuclear Waste Cleanup Caucus in Washington, D.C., that detailed the ERC's substantial environmental restoration progress and future challenges.
- Participated with Hanford Site management in the ongoing development of the integrated Hanford Site Cleanup Summary Schedule.
- Received a U.S. DOE National Pollution Prevention award in the "Return on Investment" category for the Small Diameter Geophysical Logging System.

Six Sigma performance-based leadership

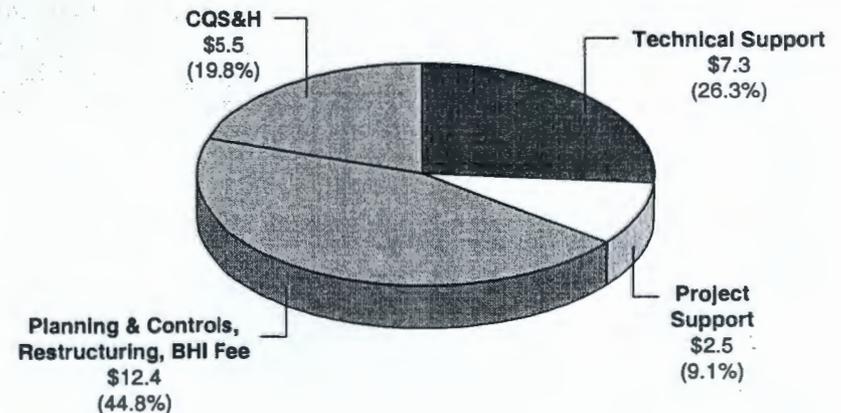
Six Sigma is a business process that allows companies to significantly improve their performance by designing and monitoring everyday business activities in ways that minimize waste and resources while increasing customer satisfaction.

Implementation of the Six Sigma program across the ERC continues:

- 21 ERC and two RL personnel have received Yellow Belt certification.
- Four ERC managers have completed Yellow Belt Champion training.
- Two managers have received Black Belt training.
- The *ERC Waste Management PIP* was completed in April 2001.
- The *ERC Procedures Development PIP* was completed in June 2001.
- The *Radiation Control Instrumentation PIP* is close to completion.
- The *Contaminated Concrete Demolition PIP* is in progress.
- The *Hanford Site/Nevada Test Site Waste Acceptance PIP* is in progress.



FY01 Subproject Actual Costs (Project Total \$27.6 Million)



FY02 ACTION PLAN

Remedial Action Project

- Continue 100-B/C Pipeline, 100-F, and 100-N Area remedial actions
- Complete revegetation at 100-DR and 100-HR
- Complete excavation activities at the 618-4 Burial Ground in the 300 Area
- Remove 461K tons of waste from 100/300 Area waste sites
- Complete excavation of 12 100 Area sites and one 300 Area site
- Complete backfill of three 100-B/C Area outfall structures

Decontamination & Decommissioning

- Continue D&D of the 233-S Plutonium Concentration Facility
- Continue F, H, D/DR Reactor ISS

Program Management & Support

- Provide support in the following areas:
- Program & Project Support
 - Compliance, Quality, Safety, and Health
 - Project Technical Support
 - Planning and Controls

Waste Disposal Project

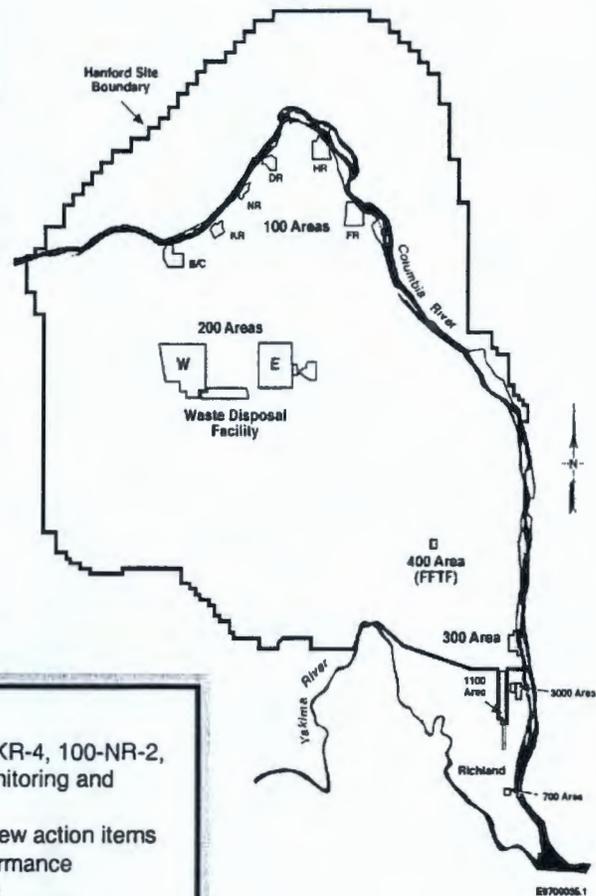
- Receive 482K tons of contaminated soil, debris, and miscellaneous material
- Transportation of waste totaling 7.4M ton-miles

Surveillance/Maintenance and Transition

- Continue RARA surveillance, monitoring, and herbicide application activities
- Complete interim stabilization of three contaminated RARA sites
- Continue S&M of 100, 200, and 300 Area inactive facilities
- Continue asbestos abatement in the 100 and 200 Areas
- Continue mitigation of hazards at the B Reactor
- Continue long-term post-remediation surveillance and monitoring
- Complete hexone tank interim stabilization action
- Finalize proposed plan and support ROD development for CDI
- Complete planned annual updates to SARs and ASAs

Groundwater Project

- Operate pump-and-treat systems at 100-HR-3, 100-KR-4, 100-NR-2, 200-UP-1, and 200-ZP-1, including performance monitoring and ISRM at 100-D/DR
- Implement 100-HR-3/100-KR-4 CERCLA 5-year review action items
- Operate the 200-ZP-2 active system, including performance monitoring and continue passive system remediation
- Continue 200 Area assessment activities, including work plan development, field investigations, treatability tests, ecological assessments and geophysical logging support
- Continue GW/VZ Integration Project activities:
 - Characterization of Systems
 - System Assessment Capability
 - Science and Technology
 - Management and Implementation





ISSUES

CURRENT ER PROJECT ISSUES

REMEDIAL ACTION / GROUNDWATER/VADOSE ZONE INTEGRATION PROJECTS

- **M-16-00F - Establish Date for Completion of All 100 Area Remedial Actions:** This milestone is due on December 31, 2001 and will develop the date and workscope for any remaining remedial actions in the 100 Area. Currently, most of these remedial actions are in the 100 Area Long Range Plan (miscellaneous pipelines are still being developed). TPA Major Milestone M-16-00 compliance date is September 30, 2018.

Strategy/Status: RL's goal for the next few months is to complete the negotiation process for M-16 and M-93 milestones for the 100 and 300 Areas and resolve as many of the priority issues as possible. Milestone change packages are expected to be completed by December 31, 2001. The public involvement period associated with changing the TPA major milestones would commence following the Tri-Parties reaching agreement on the TPA milestone change packages.

- **Remaining M-13-00x and M-20-xx Milestones:** TPA Milestones M-13-00x require submittal of 3-4 work plans per year such that the RI/FS's for the past practices waste sites will be completed by December 31, 2005. TPA Milestones M-20-xx require the completion of RCBA closure plans by February 28, 2004.

Strategy/Status: The Tri-Parties are negotiating an AIP covering TPA commitments for 200 Area RI/FS work plans (M-13-00), 200 Area pre-ROD site investigations (M-15-00C), remedial actions for non-tank farm operable units (M-16-00), and Part B permit applications or closure/postclosure plans (M-20-00). The negotiations are expected to formalize the "200 Area Alternate Assessment Approach" as a TPA change request. The 200 Area Alternate Assessment Approach focuses characterization on 12 operable units that are representative of the original 23 operable units under the analogous sites concept. The Tri-Parties anticipate agreement on draft change requests by January 31, 2002. Pending agreement on the change requests, DOE is proceeding in accordance with existing TPA milestone schedules.

- **M-13-00L - Submit 3 200 NPL RI/FS (RFI/CMS) Work Plans:** TPA Milestone M-13-00L requires the submittal of three 200 NPL RI/FS work plans by December 31, 2001. One work plan is in process (200-PW-1).

Strategy/Status: RL directed work be initiated on the development of two additional work plans, 200-LW-1 and 200-MW-1, on September 27, 2001. All three work plans are expected to be transmitted to the regulators by December 31, 2001.

CURRENT ER PROJECT ISSUES

DECOMMISSIONING PROJECTS

- **D and H Reactor Impacts of TPA Milestones:** The acceleration of the reactor ISS projects is no longer consistent with the existing M-93 milestones, especially the competitive procurement and renegotiating milestone (M-93-12 due February 28, 2002) for DR Reactor.

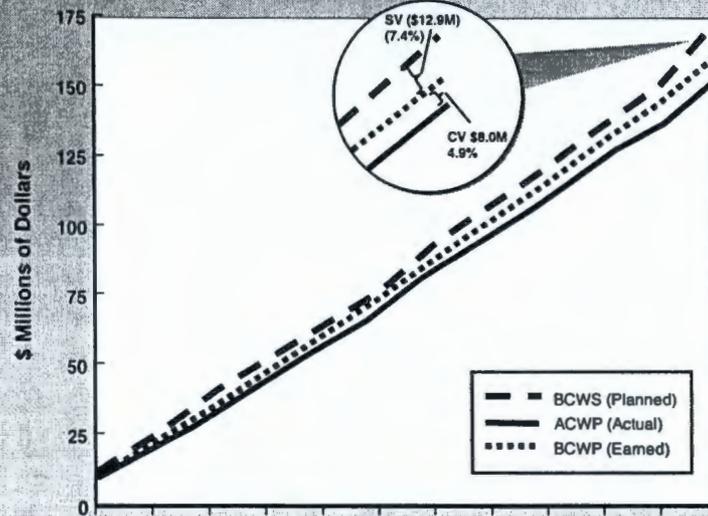
Strategy/Status: All M-93 milestones have been included in the scope of the current River Corridor TPA negotiations. Major completion milestones for reactor ISS projects have been realigned to more accurately represent the accelerated schedule for D&D actions.

COST/SCHEDULE STATUS

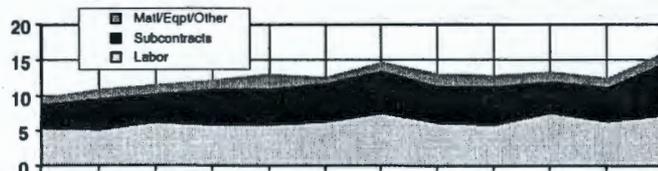
ER Project Performance

FY01 Year End Review

FY01 Project Performance (cumulative)



FY 2001	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep
BCWS (Planned)	12.8	24.9	39.9	52.3	64.3	77.0	93.8	107.8	120.8	137.0	151.2	173.9
BCWP (Earned)	11.2	21.9	35.1	47.8	60.8	73.9	88.0	101.8	115.9	130.7	143.8	161.0
ACWP (Actual)	9.7	20.7	32.3	44.5	57.6	70.1	85.1	98.2	111.0	124.3	136.8	153.0



FY 2001	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	Total
Labor	5.2	5.0	6.1	6.6	5.5	6.1	7.4	5.8	5.5	7.3	6.0	6.6	72.3
Mat/Eqp/Other	0.9	1.4	1.3	1.3	2.1	0.7	1.3	1.7	1.3	1.2	1.3	1.8	16.1
Subcontracts	3.6	4.6	4.2	5.4	5.5	5.8	6.2	5.6	6.0	4.8	5.1	7.6	64.6
Total	9.7	11.0	11.6	12.3	13.1	12.8	14.9	13.1	12.8	13.3	12.4	16.2	153.0

Favorable Cost Variance = \$8.0M, 4.9%

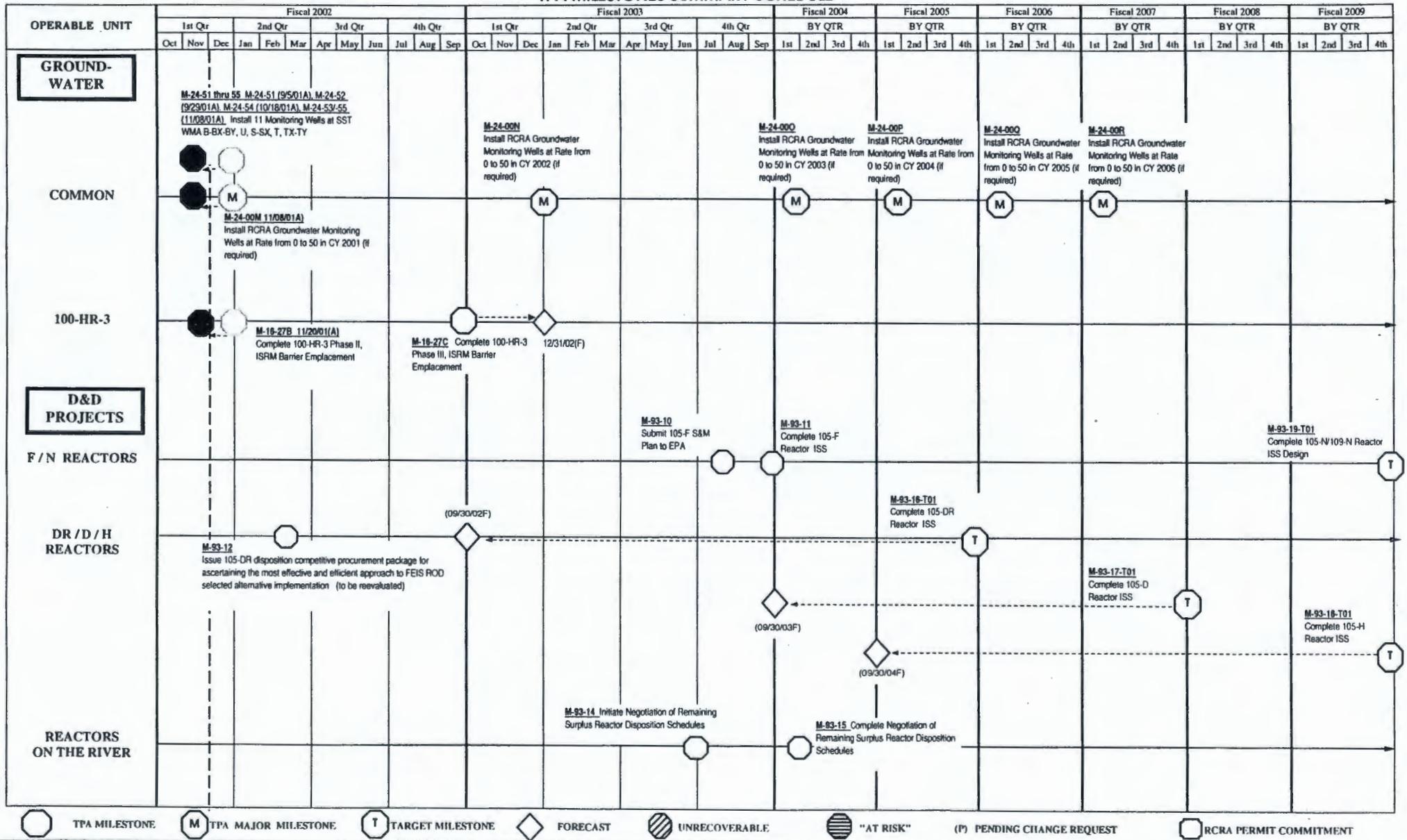
- Less labor required due to sharing resources between remediation sites.
- Less labor required to complete remediation cleanup verification packages (CVPs) due to use of a streamlined format and consolidation of waste sites.
- Savings in groundwater monitoring/sampling and In Situ Redox Manipulation (ISRM) subcontract/chemical costs.
- Savings in 200 Area general Surveillance and Maintenance (S&M) tasks and herbicide application costs.
- Program management support to field operations performed with fewer resources.

Unfavorable Schedule Variance = (\$12.9M), (7.4%)

Approximately \$7.5M of the variance (58%) relate to fiscal year-end carryover items that affect the variance, but are not behind schedule. These include Interim Safe Storage (ISS) special funding/scope received in September, equipment purchase scheduled for delivery in early FY02, additional funding/scope in September to accelerate 300 Area remediation work, Grand Junction borehole logging, Hanford Site-wide assessments that will be invoiced in FY02, and accounting adjustments relative to performance fee payments. After adjustments of these items, the net year-end negative schedule variance is \$5.4M, (-3.2%). The primary contributors to the negative schedule variance include:

- Delays in 100 F and N Area excavation due to plumes and subcontractor termination at 100 F.
- Delays in 200-ZP-1 Plutonium Finishing Plant (PFP) well drilling due to higher priority drilling activities.
- Granular-activated carbon (GAC) regeneration shipment delays.
- Late start on vadose zone Science and Technology (S&T) items.

Richland Environmental Restoration Project
TPA MILESTONES SUMMARY SCHEDULE



TPA MILESTONE
 TPA MAJOR MILESTONE
 TARGET MILESTONE
 FORECAST
 UNRECOVERABLE
 "AT RISK"
 (P) PENDING CHANGE REQUEST
 RCRA PERMIT COMMITMENT

M-93-06-T01 (TBD) Submit B Reactor S&M Plan for EPA Approval

**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
Quarterly Presentation
December 18, 2001**

**G. L. Sinton
DOE Waste Management Division**

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
December 18, 2001

- Tri-Party Agreement requires that a Hanford Site Land Disposal Restrictions (LDR) Report be submitted annually

- RL submitted the CY 2000 LDR Report on June 28, 2001
 - Ecology provided comments to RL on September 28, 2001
 - RL submitted the Response to Comments Document and proposed page changes on October 29, 2001
 - On November 28, 2001, Ecology notified DOE that the October 29, 2001, letter was inadequate and invoked the dispute resolution process in accordance with Tri-Party Agreement, Article VIII, *Resolution of Disputes*, and Section 9.2.1. of the Tri-Party Agreement Action Plan.

- Ecology has 30 days to submit the statement of dispute but can request additional time to work the issue at the project manager level

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
December 18, 2001

- Four areas of Ecology's interest/concern were highlighted in their November 28, 2001, letter:
 - Missing schedules and milestones for characterization and treatment for particular waste streams.
 - DOE assessments not conducted according to agreements
 - Not responding to requests for information detailed in Ecology's September 27, 2001 letter
 - Missing information on the Potential Mixed Waste Table (PMWT)
- Several dispute resolution meetings are occurring in December to develop a common understanding of the issues and an agreed to path-forward

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
December 18, 2001

Treatment/Disposal Milestones

- CY 2000 LDR Report included a draft Tri-Party Agreement Change Request proposing several milestones, including:
 - treatment, storage and disposal milestones for mixed low-level waste (MLLW)
 - M-XX-01 proposed treatment and/or disposal of 7,795 cubic meters of MLLW by June 30, 2006
 - Proposed treatment milestone M-XX-02, *Propose Successor Milestones for MLLW treatment and/or disposal for the July 1, 2006 through June 30, 2011 timeframe*, will address additional MLLW
- In RL's October 29, 2001, letter, a milestone was proposed to have the Central Waste Complex MLLW storage "backlog" worked off by 2012 (M-XX-09)

Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
December 18, 2001

Actions Planned for Next Six Months

- Closeout CY 2000 LDR Report
 - Ecology will submit a Statement of Dispute to RL by December 28, 2001. (This date may be extended to continue work at the project manager level)
 - Close out of the CY 2000 LDR Report is critical to the success of the CY 2001 LDR Report

**Land Disposal Restrictions Report
(Tri-Party Agreement Milestone M-26-01)
December 18, 2001**

Actions Planned for Next Six Months (Continued)

- Prepare CY 2001 LDR Report
 - Issue data call for CY 2001 (Initiated November 20, 2001)
 - Update/revise CY 2001 LDR Report datasheets (January 22, 2002)
 - Submit CY 2001 LDR Report to Ecology (April 30, 2002)

M-91-00

WASTE MANAGEMENT DIVISION

Todd Shrader

December 2001

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	DECEMBER 2001
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MILESTONE SCHEDULE

WBS (ADS)	BASELINE DATE	FISCAL YEAR 2002												Status
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
3.3.2 (RL-WM04) Solid Waste Treatment	12/31/00	(M-91-01) – Due date to be established. Complete the acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, and treatment/processing prior to disposal of all Hanford Site post 1970 TRU/TRUM. (M-91-03) – Submit Hanford Site TRU/TRUM Waste Project Management Plan (PMP) to Ecology Pursuant to Agreement Section 11.5.												To be resolved during dispute resolution.
	6/30/00													To be resolved during dispute resolution.
	9/30/02	(M-91-19-T01) Complete physical activities at T Plant necessary to store floor and pit sludge.	On Schedule											
MILESTONE TYPES:		 M TPA MILESTONE  I TPA INTERIM	 DOE-HQ  DOE-RL	 FORECAST  Treatment Rate										

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	DECEMBER 2001
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MILESTONE SCHEDULE

WBS (ADS)	BASELINE DATE	FISCAL YEAR 2003												Status		
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
3.3.2 (RL-WM04) Solid Waste Treatment	12/31/02			⬡											(M-91-05-T01) Complete and Submit TRU/TRUM Retrieval and Processing Facility Engineering Study/Functional Design Criteria Study to Ecology.	New completion date submitted in M-91-03 PMP Change Request.
	12/31/02			⬡											(M-91-12A) Complete thermal treatment and disposal of 240 m ³ of contact handled LLMW.	In Jeopardy
	12/31/02			⬡											(M-91-20) T Plant is ready to receive the first canister of K Basins floor and pit sludge.	On Schedule
	9/30/03													⬡	(M-91-06-T01) Award necessary privatized contracts for processing remote handled (RH) and large size TRU/TRUM.	On Schedule
MILESTONE TYPES:		⬡ ^M TPA MILESTONE	⊕ DOE-HQ	◇ FORECAST												
		⬡ ^I TPA INTERIM	⊖ DOE-RL	△ Treatment Rate												

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	DECEMBER 2001
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MILESTONE EXCEPTION REPORT

TPA MILESTONE	FUTURE MILESTONES IN JEOPARDY
M-91-07	"Complete Project W-113 for Post 1970 CH TRU/TRUM retrieval" by September 2004.
M-91-12A	"Complete thermal treatment and disposal of at least 240 cubic meters of contact handled LLMW.

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	DECEMBER 2001
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MILESTONE EXCEPTION REPORT

TPA MILESTONE	MILESTONES IN DISPUTE
M-91-01	Commitment to establish a date for: "Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, and treatment/processing prior to disposal of all Hanford Site post-1970 TRU/TRUM." (In dispute at the PMM level until January 31, 2002.)
M-91-03	Submit TRU/TRUM PMP. (In dispute at the PMM level until January 31, 2002.)

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	DECEMBER 2001
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M-91 ACCOMPLISHMENTS

WBS 3.3.2	<p style="text-align: center;">M-91 <u>LLMW and TRU Waste Facilities</u></p> <p>Prior to ATG suspension of operations, approximately 11.5 m³ treated at ATG and 18 m³ treated at WERF. Approximately 11.5 m³ disposed; nine containers of debris at ATG waiting stabilization and nine containers of ash still in CWC to be shipped to ATG. Shipped an additional 115 m³ of waste in preparation for thermal treatment to ATG.</p> <p>For the calendar year 2001 TRU retrieval campaign, 590 drums were retrieved with 375 designated as LLW and 215 designated as TRU.</p>
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TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	DECEMBER 2001
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PLANNED ACTIONS

TPA MILESTONE SUPPORTED	DESCRIPTION	SCHEDULED COMPLETION DATE
M-91-06-T01	Highly unlikely any privatized opportunities will be available. Privatized contracts are not being pursued at the present time.	9/30/2003
M-91-07	Covered drum retrieval EA determination by mid-January. Covered drum retrieval Safety Basis Document approval by the end of January.	9/30/2004
M-91-12/ M-91-12A	Evaluate ATG's ability to continue treatment and if necessary prepare an alternate treatment strategy.	9/30/2002

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	DECEMBER 2001
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PLANNED ACTIONS (continued)

TPA MILESTONE SUPPORTED	DESCRIPTION	SCHEDULED COMPLETION DATE
M-91-19-T01	Continue preparation work. Shippingport fuel preps complete. DOE ORR is planned for February. Some overlap for sludge readiness activities.	9/30/2002
M-19-20	Continue preparation work to receive sludge. Canister design finalized and storage configuration design finalized.	12/31/2002

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	DECEMBER 2001
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M-91 ISSUES

TPA MILESTONE	DATE IDENT	ISSUE	IMPACT	STATUS
M-91-07	6/99	Milestone cannot be accomplished as written due to funding limitations.	Replacement milestone will need to be renegotiated.	Resolution is preliminarily being discussed as part of the resolution to the M-91-03 PMP dispute.
M-91-01, M-91-08, M-91-07	10/01	Uncertainty exists of the impact of the SW-EIS ROD on retrieval and facility milestones.	TPA milestones may potentially require work that is contrary to decisions of the SW-EIS ROD.	To be resolved as part of M-91-03 PMP and Change Request negotiations. Written RL position submitted to Ecology.

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	DECEMBER 2001
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M-91 ISSUES

TPA MILESTONE	DATE IDENT	ISSUE	IMPACT	STATUS
M-91-07	10/01	Uncertainty exists for the application of newly generated requirements for retrieved TRU waste.	Retrieved drums are not considered newly generated unless exiting the burial grounds. Alternate interpretations have potentially significant cost impacts.	To be resolved as part of M-91-03 PMP and Change Request negotiations. Written RL position submitted to Ecology.
M-91-07	10/01	Definition of retrieved drums requires clarification.	RL considers drums retrieved and designated as Low-Level and returned to the LLBG as disposed. Alternate interpretations may require work outside of current contract.	To be resolved as part of M-91-03 PMP and Change Request negotiations. Written RL position submitted to Ecology.
M-91-07	10/01	Application of LDR to TRU required clarification.	RL considers LDR to not be applicable to TRU during retrieval, storage, or processing operations.	To be resolved as part of M-91-03 PMP and Change Request negotiations. Written RL position submitted to Ecology.

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	DECEMBER 2001
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EXPENSE COST PERFORMANCE

(\$ in Millions)

WBS	FY 2002 TO DATE					AT COMPLETION				COMMENTS
	BUDGETED COST		ACTUAL CST	VARIANCE		BAC	FYSF	EXPECTED FUNDS FY 2001	PROJECTED CARRYOVER WORK	
	WORK SCHED	WORK PERF	WORK PERF	SCHED	COST	BCWS				
3.3.2.2 and 3.3.2.4	0.2	0.3	0.3	0.1	0.0	6	6.0	6	0	FY 2001 Carryover TRU Retrieval \$0.6M RMV Treatment & Characterization \$0.4M

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	DECEMBER 2001
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EXPENSE SCHEDULE VARIANCE ANALYSIS

WBS	SCHEDULE VARIANCE, FYTD (K\$)	
	<u>(Description and Cause:)</u>	<u>(Impacts and Corrective Action:)</u>
3.3.2.2	<ul style="list-style-type: none"> • MLLW Treatment 47.7 Three shipments to ATG early in FY 2002.	<ul style="list-style-type: none"> • Resolution of ATG operating status to determine outcome.
3.3.2.4	<ul style="list-style-type: none"> • TRU Retrieval 40.2 Completion of uncovered drum movements.	<ul style="list-style-type: none"> • N/A

TPA MILESTONE
REVIEW

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EXPENSE COST VARIANCE ANALYSIS

WBS	COST VARIANCE, FYTD (K\$)	
	<u>(Description and Cause:)</u>	<u>(Impacts and Corrective Action:)</u>
3.2.2.2	<ul style="list-style-type: none">• MLLW Treatment Performing carryover work. 17.7	<ul style="list-style-type: none">• Resolution of ATG operating status to determine outcome.
3.2.2.4	<ul style="list-style-type: none">• TRU Retrieval Performing carryover work. 28.6	<ul style="list-style-type: none">• N/A