

Meeting Minutes  
 June 25, 2002  
 Tri-Party Agreement Milestone Review

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

Date: 9/24/02

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

Date: 9/24/02

Approval: N/A  
 Jim E. Rasmussen (H6-60)  
 ORP IAMIT Representative

Date: \_\_\_\_\_

Approval: Nicholas  
 Chairperson EPA (B5-01)  
 IAMIT Representative

Date: 9/23/02

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

Date: 9/24/02

Aromi, E. S.	CHG	H6-63	Niles, K. S.	ODOE	
Bilson, H. E.	RL	H0-12	Piippo, R. E.	FH	A1-14
Buxbaum, M.	FH	B3-53	Price, J.	Ecology	B5-18*
Clark, C. E.	RL	A5-15	Robertson, O.	RL	A3-04
Cusack, L.	Ecology	B5-18*	Rodriguez, H. M.	RL/ORP	A5-15
Dagan, E. B.	RL	A5-15	Russell, W.	ORP	H6-60
Foley, B. L.	RL	A6-38	Sanders, G. H.	RL	A6-38
Gay, R.	CTUIR		Schepens, R. J.	RL	H6-60
Goodenough, J.	DOE	A3-04	Skinnarland, E. R.	Ecology	B5-18
Hales, J. E.	FH	A1-14	Sobczyk, S.	NezPerce	
Hedges, J.	Ecology	B5-18	Stanley, R.	Ecology	Lacey*
Henry, G.	ODOE		Thomson, E. K.	FH	H5-20
Hertz, J. S.	FH	A1-14	VanLeuven, D. B.	FH	H5-20
Iwatate, D. F.	FH	A1-14	Walsh, J. L.	BHI	H0-11
Jim, R.	Yakama*		Wilson, M. A.	Ecology	B5-18
LaRue, D. N.	BHI	H0-11	Wintczak, T. M.	BHI	H0-09
Logan, T. E.	BHI	H0-09	Warren, R. N.	RL	A3-04
Mattlin, E. M.	RL	A5-15*	Wisness, S. H.	RL	A2-15
Moy, S. K.	RL	A6-38	Yerxa, J. K.	RL	A5-15
Morrison, R. D.	FH	A1-14*	Administrative Record	EDMC	H6-08*
Murphy-Fitch, E. J.	FH	A1-14*			

\*w/Attachments File: TPAM 06 02.doc

RECEIVED  
 NOV 14 2002

EDMC

**Tri-Party Agreement Milestone Review**  
**June 25, 2002**

---

**General Notes/Concerns/Actions:**

Nothing to report.

**Land Disposal Restriction Report, M-026-01**

Presented by: Mary Jarvis, RL

Start: 9:00 a.m.

End: 9:05 a.m.

No significant issue/concerns resulting in follow-on action were identified during the presentation. Presentation attached. Ecology stated that they were pleased with the document submitted in April 2002 and reaffirmed their support to the monthly meetings

**Acquisition of Facilities to TSD TRU/TRUM, LLMW and GTC3 (M-091)**

Presented by: Todd Shrader, RL

Start: 9:07 a.m.

End: 9:23 a.m.

Tri-Party Agreement Milestones M-091-01 and M-091-03 are in dispute. Tri-Party Agreement target date M-091-19-T01 is on schedule for completion by the September 30, 2002, compliance date and is no longer considered "in jeopardy" by RL. The status of Tri-Party Agreement Milestone M-091-07 was also discussed. Ecology reminded RL that lack of funding and resource limitations are not grounds to extend Tri-Party Agreement activities. Presentation attached.

Ecology requested that the M-91 Issues Table contain the caveat "DOE position" under "Impact."  
Action: Todd Shrader

**PFP Transition (M-083)**

Presented by: Allison Wright, RL

Start: 9:24 a.m.

End: 9:35 a.m.

No significant issue/concerns resulting in follow-on actions were identified during the presentation. Presentation attached.

**Environmental Restoration - Central Plateau (M-013, M-015, M-016, M-020, and M-024)**

Presented by: Tom Logan/Tom Wintczak, BHI

Start: 9:37 a.m.

End: 9:53 a.m.

Four Central Plateau Tri-Party Agreement Change Requests were approved:

- Tri-Party Agreement Change Request M-013-02-01 modifies the Central Plateau 200 Area Non-Tank Farm Remedial Action Work Plans (M-013 Series)

- Tri-Party Agreement Change Request M-015-02-01 modifies the M-015 Series Milestones in accordance with the Central Plateau Agreement in Principle and maintains the same timetable to complete remedial investigation and feasibility studies
- Tri-Party Agreement Change Request M-016-02-01 extends the Tri-Party Agreement Major Milestone completion date to coincide with single-shell tank farm closure (M-045-00)
- Tri-Party Agreement Change Request M-020-02-01 extends the completion date to coincide with the feasibility study completion dates under M-015 and further defines the M-020 commitments

No significant issue/concerns resulting in follow-on actions were identified during the presentation. Presentation attached.

### **Environmental Restoration – River Corridor (Tri-Party Agreement Milestones M-016 and M-093)**

Four River Corridor Project Tri-Party Agreement Change Requests were approved. These changes address the 100 and 300 Area Waste Sites and Facilities Cleanup Milestones:

- Tri-Party Agreement Change Request M-016-01-05 established a date for completion of all 100 Area remedial actions as required by Tri-Party Agreement Milestone M-016-00F and aligns the M-016 series milestones for completion of 100 Area remedial actions by 2012.
- Tri-Party Agreement Change Request M-016-01-06 established a date for completion of all 300 Area interim remedial actions.
- Tri-Party Agreement Change Request M-093-01-02 provides the overall framework for disposition of the 100 Area surplus reactors.
- Tri-Party Agreement Change Request M-094-01-01 created a new Tri-Party Agreement Major Milestone that provides the overall framework for disposition of the 300 Area surplus facilities.

Ecology noted that as groundwater activities transfer to Fluor Hanford, the parties need to ensure that integration between groundwater and soil cleanups is maintained. The results of RESRAD modeling indicate the 116-N-1 Site will not attain groundwater remedial action objectives (RAOs) following excavation. Results indicate lowest vadose zone layer contributes contaminants at levels above the RAOs. DOE is working with the regulators to develop a path forward. Presentation attached.

### **324 Building Closure of MW (M-089)**

Presented by: John Sands, RL

Start: 10:15 a.m.

End: 10:20 a.m.

No significant issue/concerns resulting in follow-on action were identified during the presentation. Presentation attached

**Facilities for Cs/Sr, Sodium and SCW (M-092)**

Presented by: John Sands, RL

Start: 10:20 a.m.

End: 10:40 a.m.

No significant issue/concerns resulting in follow-on action were identified during the presentation. Milestones are on schedule or in negotiations. Presentation attached.

**ATTENDEES**

**Tri-Party Agreement Milestone Review  
June 25, 2002**

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>	<u>ATTACHMENTS</u>
W Murphy	FH-TPAI	A1-14	
JEFF HERTZEL	FH-TPAI	A1-14	
JOSH DUNNIVANT	FH-TPAI	A1-14	
Ellen Dogan	DOE-RL-RCA	A5-15	
Owen Proctor	DOE-RL-EAD		
Allison Wright	DOE/RL/PTD	A15-58	✓
Ellen Matlin	DOE/RL/RCA	A5-15	yes
Jim Rasmussen	DOE/ORP	A6-60	
Cliff Clark	DOE	A5-15	Yes
Larry Gadbois	EPA	B5-01	
Todd Shrader	DOE-RL/WMD	A6-38	
Laura Cusack	ECY		yes
MIKE WILSON	ECY		✓
Mary Jarvis	DOE-RL-RCA		
Deane Parla	EPA	B5-18	
Tom Mischew	FH-Env. & Reg.	N1-26	
BOB BLOOR	FH TPA	A1-14	✓
KEN HLADIK	FH-WMP		
Scott Harts	FH TPA	A1-14	
Dale McKenney	FH-WMP		✓
JANE HEDGECOCK	Ecology		
DAN VU	FH-RCP	L1-05	✓
Deanna Henry	DREXEL UNIVERSITY		✓
Andrew Hopkins	FH		✓
SEN MOY	DOE-RL		
TOM LOGAN	BHI		
Tom Wintczak	BHI		
DEENJA LAPUE	BHI		
John Pricey			Ecology
Rick Bond			Ecology
John Sards			RL

John Friel

John Sands

Rick Bond

~~Ecology~~

DOE

~~Ecology~~

**Land Disposal Restrictions Report  
(Tri-Party Agreement Milestone M-26-01)  
Quarterly Presentation  
June 25, 2002**

**M. F. Jarvis  
DOE Regulatory Compliance and Analysis  
Division**

**Land Disposal Restrictions Report**  
**(Tri-Party Agreement Milestone M-26-01)**  
**June 25, 2002**

- Tri-Party Agreement requires that a Hanford Site Land Disposal Restrictions (LDR) Report be submitted annually
  
- RL submitted the CY 2001 LDR Report to Ecology April 30, 2002
  - LDR Report is designated as a primary document in accordance with the Tri-Party Agreement
  - Ecology provided comments June 14, 2002
  - Ecology pleased with the improvements in the CY 2001 LDR Report
  - Ecology comment and proposed actions were provided in the letter

**Land Disposal Restrictions Report  
(Tri-Party Agreement Milestone M-26-01)  
June 25, 2002**

- Chartered a small group to conduct summer workshops to address/ resolve core issues including those identified for resolution in the March 14, 2002, resolution agreement
- Instituted Project Manager Meetings with representatives from Ecology and the Hanford Site prime contractors

**Land Disposal Restrictions Report  
(Tri-Party Agreement Milestone M-26-01)  
June 25, 2002**

Actions Planned for Next Six Months

- Respond to Ecology's primary document comments (July 29, 2002)
- Continue Monthly Project Manager Meetings/Summer workshops
- Prepare 2002 data call (November/December)

**M-91-00**

WASTE MANAGEMENT DIVISION

Todd Shrader

June 2002

<b>TPA MILESTONE REVIEW</b>	<b>WASTE MANAGEMENT PROJECT</b>	<b>June 2002</b>
---------------------------------	---------------------------------	------------------

## MILESTONE SCHEDULE

WBS (ADS)	BASELINE DATE	FISCAL YEAR 2003												Status		
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1.2.2 (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.	Deletion proposed in DOE M-91 Change Request.
	12/31/02			○											(M-91-12A) Complete thermal treatment and disposal of 240 m <sup>3</sup> of contact handled LLMW.	Will Not Be Met. Alternative proposed in DOE M-91 Change Request.
	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.	Deletion proposed in DOE M-91 Change Request.	
MILESTONE TYPES:		○ <sup>M</sup> TPA MILESTONE	⊙ DOE-HQ	◇ FORECAST												
		○ <sup>I</sup> TPA INTERIM	⊕ DOE-RL	△ Treatment Rate												

<b>TPA MILESTONE REVIEW</b>	<b>WASTE MANAGEMENT PROJECT</b>	<b>June 2002</b>
---------------------------------	---------------------------------	------------------

### MILESTONE SCHEDULE

WBS (ADS)	BASELINE DATE	FISCAL YEAR 2002												Status
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.2.2 (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.												To be resolved during dispute resolution.
	6/30/00	(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.
	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										

<p align="center"><b>TPA MILESTONE REVIEW</b></p>	<p align="center"><b>WASTE MANAGEMENT PROJECT</b></p>	<p align="center"><b>June 2002</b></p>
-------------------------------------------------------	-------------------------------------------------------	----------------------------------------

## MILESTONE EXCEPTION REPORT

<p align="center"><b>TPA MILESTONE</b></p>	<p align="center"><b>FUTURE MILESTONES IN JEOPARDY</b></p>
<p>M-91-07</p>	<p>“Complete Project W-113 for Post 1970 CH TRU/TRUM retrieval” by September 2004. (DOE Position)</p>

<p align="center"><b>TPA MILESTONE</b></p>	<p align="center"><b>FUTURE MILESTONES THAT WILL NOT BE MET</b></p>
<p>M-91-12A</p>	<p>“Complete thermal treatment and disposal of at least 240 cubic meters of contact handled LLMW” by December 31, 2002. (DOE Position)</p>

<p align="center"><b>TPA MILESTONE REVIEW</b></p>	<p align="center"><b>WASTE MANAGEMENT PROJECT</b></p>	<p align="center"><b>June 2002</b></p>
-------------------------------------------------------	-------------------------------------------------------	----------------------------------------

**MILESTONE EXCEPTION REPORT**

<p align="center"><b>TPA MILESTONE</b></p>	<p align="center"><b>MILESTONES IN DISPUTE</b></p>
<p>M-91-01</p>	<p>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 IAMIT level until July 18, 2002.)</p>
<p>M-91-03</p>	<p>Submit TRU/TRUM PMP. (In dispute at the IAMIT level until July 18, 2002.)</p>

<p><b>TPA MILESTONE REVIEW</b></p>	<p><b>WASTE MANAGEMENT PROJECT</b></p>	<p><b>June 2002</b></p>
----------------------------------------	----------------------------------------	-------------------------

## **M-91 ACCOMPLISHMENTS**

<p><b>WBS 1.2</b></p>	<p style="text-align: center;"><b>M-91</b> <b><u>LLMW and TRU Waste Facilities</u></b></p> <p>To date, 18 m<sup>3</sup> of organic/carbonaceous debris has been incinerated at WERF and approximately 11.5 m<sup>3</sup> of organic solids were thermally treated at ATG. 11.5 m<sup>3</sup> of the resulting treatment residues have been disposed (from ATG). For the WERF treatment campaign, there are nine drums (~ 1.9 m<sup>3</sup>) of segregated inorganic debris that have been macroencapsulated and disposed, and there are nine drums of ash residues being stored in CWC awaiting heavy metal stabilization. Shipped an additional 115 m<sup>3</sup> of waste in preparation for thermal treatment to ATG.</p> <p>Alternate treatment capability being pursued through the broad spectrum contract.</p>
---------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

TPA MILESTONE REVIEW	WASTE MANAGEMENT PROJECT	June 2002
----------------------	--------------------------	-----------

## 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 Safety Basis Document under review. Retrieval expected to begin late in calendar year 2002.	9/30/2004
M-91-12/ M-91-12A	Evaluate alternate treatment strategies through the broad spectrum contract.	12/31/2002 12/31/2005

<p><b>TPA MILESTONE REVIEW</b></p>	<p><b>WASTE MANAGEMENT PROJECT</b></p>	<p><b>June 2002</b></p>
----------------------------------------	----------------------------------------	-------------------------

## **PLANNED ACTIONS (continued)**

<p>TPA MILESTONE SUPPORTED</p>	<p>DESCRIPTION</p>	<p>SCHEDULED COMPLETION DATE</p>
<p>M-91-19-T01</p>	<p>Contractor ORR is ongoing with DOE ORR scheduled for mid-July. Declaration of readiness for Shippingport Fuel removal planned for late summer. Some overlap for sludge readiness activities. 3 of 4 cells have storage racks installed with construction activities scheduled to be completed by the completion date.</p>	<p>9/30/2002</p>
<p>M-19-20</p>	<p>Continue preparation work to receive sludge.</p>	<p>12/31/2002</p>



**TPA MILESTONE  
REVIEW**

**WASTE MANAGEMENT PROJECT**

**June 2002**

## **M-91 ISSUES**

<b>TPA MILESTONE</b>	<b>DATE IDENT</b>	<b>ISSUE</b>	<b>IMPACT</b>	<b>STATUS</b>
M-91-07	6/99	Milestone cannot be accomplished as written due to funding limitations. (DOE Position)	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-91-07	10/01	Uncertainty exists for the application of newly generated requirements for retrieved TRU waste. (DOE Position)	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.

<b>TPA MILESTONE REVIEW</b>	<b>WASTE MANAGEMENT PROJECT</b>	<b>June 2002</b>
---------------------------------	---------------------------------	------------------

## M-91 ISSUES

TPA MILESTONE	DATE IDENT	ISSUE	IMPACT	STATUS
M-91-07	10/01	Definition of retrieved drums requires clarification. (DOE Position)	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. (DOE Position)	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.

<b>TPA MILESTONE REVIEW</b>	<b>WASTE MANAGEMENT PROJECT</b>	<b>June 2002</b>
---------------------------------	---------------------------------	------------------

## EXPENSE COST PERFORMANCE

(\$ in Millions)

WBS	FY 2002 TO DATE					AT COMPLETION				COMMENTS
	BUDGETED COST		ACTUAL CST	VARIANCE		BAC	FYSF	EXPECTED FUNDS	PROJECTED CARRYOVER	
	WORK SCHED	WORK PERF	WORK PERF	SCHED	COST	BCWS		FY 2002	WORK	
3.3.2.2 and 3.3.2.4	2.2	1.6	1.2	(0.6)	0.4	4	3.4	4	0.6	\$2M treatment support delayed due to ATG (by change request) FY 2002 Carryover RMW Treatment & Characterization \$0.6M

<b>TPA MILESTONE REVIEW</b>	<b>WASTE MANAGEMENT PROJECT</b>	<b>June 2002</b>
---------------------------------	---------------------------------	------------------

## 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"> <li>• MLLW Treatment (0.4) ATG remains in bankruptcy in FY 2002.</li> </ul>	<ul style="list-style-type: none"> <li>• Resolution of ATG operating status to determine outcome.</li> </ul>
3.3.2.4	<ul style="list-style-type: none"> <li>• TRU Retrieval (0.2) Completion of covered drums delayed..</li> </ul>	<ul style="list-style-type: none"> <li>• Delays in the Documented Safety Analysis (DSA) will impact future readiness activities.</li> </ul>

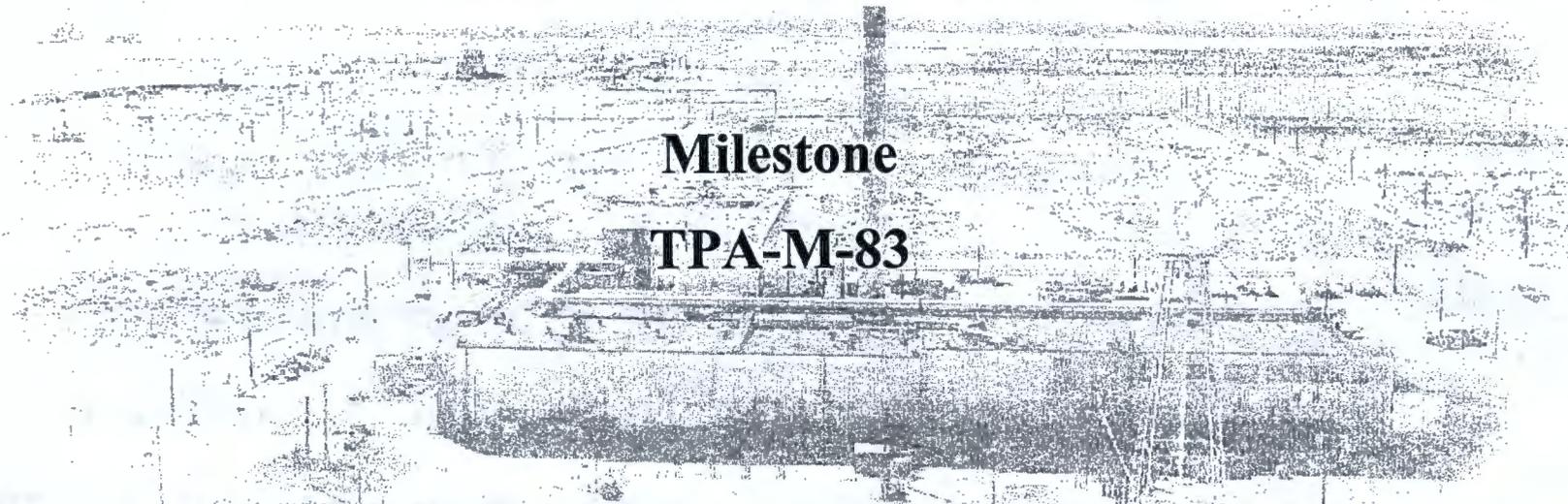
<b>TPA MILESTONE REVIEW</b>	<b>WASTE MANAGEMENT PROJECT</b>	<b>June 2002</b>
---------------------------------	---------------------------------	------------------

## 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"> <li>• MLLW Treatment                      0.0 Performing carryover work.</li> </ul>	<ul style="list-style-type: none"> <li>• Resolution of ATG operating status to determine outcome.</li> </ul>
3.2.2.4	<ul style="list-style-type: none"> <li>• TRU Retrieval                        0.4 Performing carryover work.</li> </ul>	<ul style="list-style-type: none"> <li>• The process of completing FY 2001 activities and claiming BCWP on them in FY 2002 creates a positive cost variance for the current year</li> </ul>

# **Nuclear Material Stabilization Project**

## **Plutonium Finishing Plant Stabilization Project**



**Milestone**

**TPA-M-83**

**IAMIT Meeting June 25, 2002  
Tri-Party Agreement Milestone  
Status Report**

**Ecology Project Manager - R. Bond  
DOE-RL Program Manager - L. D. Romine  
FH Project Manager - G. W. Jackson  
FH Environmental Sponsor - A. M. Hopkins**

### **Plutonium Finishing Plant**

# **Nuclear Material Stabilization Project**

## **TPA Negotiations & Milestone Status through June 13, 2002:**

- ◆ **PFP TPA Transition Negotiations tentative agreement signed by all parties on June 12, 2002**
- ◆ **45 day public comment period: June 17 – July 31, 2002**
- ◆ **Response summary to be developed**
- ◆ **M-83-11 – “Complete repackaging & shipment of Sand, Slag, & Crucible by January, 2004” – Ahead of Schedule**

**Plutonium Finishing Plant**

# PFP Pu Stabilization Safety Mission Scoreboard

% Stabilized as of

	03/02	04/02	05/02	06/02	07/02	08/02	09/02
<b>Solutions</b> (by Pu Weight)	88%	90%	98%	100%			
<b>Metals</b>	<i>COMPLETE</i>						
<b>Alloys</b>	40%	40%	40%				
<b>Oxides</b>	14%	14%	14%				
<b>Polycubes</b>	0%	0%	0%				
<b>Residues</b>	32%	38%	46%				
<b>3013 Packaging</b>	15%	19%	20%				

# **Nuclear Material Stabilization Project**

## **Major Accomplishments**

- ◆ **Completed stabilization of Solutions**
- ◆ **Readiness activities for the thermal stabilization of polycubes was completed and stabilization initiated. The first stabilization run indicated problems with the off gas system and was shutdown.**
- ◆ **An engineering evaluation of processing options for high chloride oxides was completed that recommended washing the chlorides out using existing solutions precipitation glovebox.**
- ◆ **Residues**
  - **809.5 bulk kg of SS&C repackaged**
  - **Implemented new WIPP-WAC changes on May 17, 2002**
  - **Initiated characterization for oxides/mixed oxides residues**

## **Planned Accomplishments**

- ◆ **Complete Packaging of Solutions – July 31, 2002**
- ◆ **Resolve weld porosity issue**
- ◆ **Complete WIPP recertification audit**
- ◆ **Complete accelerated planning for deactivation**

## **Plutonium Finishing Plant**

# **Nuclear Material Stabilization Project**

## **Cost Performance**

**(as of 5/31/02)**

**Favorable cost variance (\$3,384K) primarily contributed to:**

- ◆ Increased production rates for Solution Stabilization operations and optimization of packaging operations resulting in a one-shift operation versus two-shift operation as planned
- ◆ Cost savings in completion of Project W-460
- ◆ Partially offset by higher than planned preventive and corrective maintenance in support of the stabilization projects and early operational difficulties with the 234-5 Bagless Transfer System Outer Can Welder that impacted packaging and processing.

**Plutonium Finishing Plant**

# **Nuclear Material Stabilization Project**

## **Schedule Performance**

**(as of 5/31/02)**

**Unfavorable schedule variance (-\$2,568K) primarily contributed to:**

- ◆ Min Safe Special Projects (CAM upgrades) deferred from FY01 due to utilization of resources to support higher priority work scope
- ◆ Delay in planned completion of alloy stabilization and thermal stabilization and packaging of  $Mg(OH)_2$  product due to moisture measurement method and Bagless Transfer Container welding equipment inoperability during the month of April
- ◆ Residues stabilization is behind schedule due to late start of FY 2002 characterization activities for Oxides/MOX and Compounds as well as deferral of calorimeter procurements that were planned in FY01. Partially offsetting this negative variance is the ahead of schedule status for packaging of Sand, Slag & Crucible material.

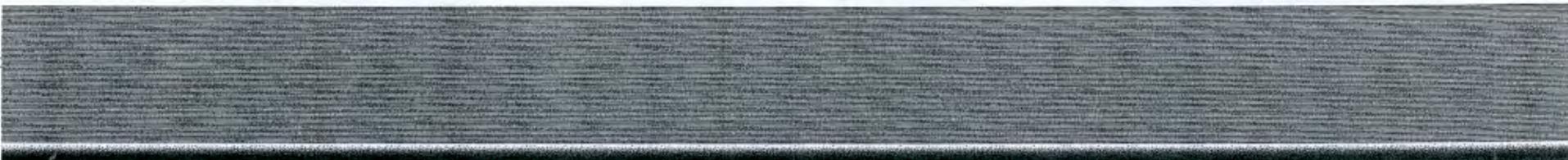
**Plutonium Finishing Plant**

# **Nuclear Material Stabilization Project**

## **Issues/Requests for Assistance**

- ◆ **None at this time**

**Plutonium Finishing Plant**



***324 Facility Stabilization***  
Milestone TPA-M-89

IAMIT Meeting June 25, 2002  
Tri-Party Agreement  
Quarterly Milestone Review Report

Ecology Program Manager – FW Bond  
DOE-RL Program Manager – DC Langstaff  
FH Environmental Sponsor – DH Vu

# *Active Milestone Overview*

<b>Milestone</b>	<b>Description</b>	<b>Date</b>	<b>Status</b>
M-89-00	Complete closure of non-permitted mixed waste units in the 324 Building REC B-Cell, REC D-Cell and the high-level vault	10/31/05	In Progress

# *Program Manager's Assessment*

Since last quarterly review

## **Environmental – Excellent**

- ◆ Activities related to completion of the M-89-00 milestone have been conducted in compliance with environmental regulations. No adverse impacts to the environment have occurred

## **Safety – Excellent**

- ◆ Activities related to completion of the M-89-00 milestone have been conducted safely during the last quarter

## **Cost – Good**

- ◆ Second quarter FY 2002 324 Building Spent Nuclear Fuel activities are tracking on budget and on schedule

# *Program Manager's Assessment*

Since last quarterly review

## **Schedule – Excellent**

- Continued planning, hardware fabrication, and procedure preparations for Spent Nuclear Fuel removal
- Drafted Closure Plan Amendment

# *Significant Accomplishments*

Since last quarterly review

## **M-89-00**

- Continued preparing for Spent Nuclear Fuel removal to provide access to remaining floor debris and dispersibles in B-Cell.
- Continued to receive and install equipment being fabricated in support of Spent Nuclear Fuel activities.
- Installed mockup testing for various aspects of upcoming Spent Nuclear Fuel removal activities.
- Continued procedures preparation activities for Spent Nuclear Fuel removal project.

# *Significant Planned Actions*

Next three months

## **M-89-00**

- Continue preparation for Spent Nuclear Fuel removal to the 200 East Interim Storage Area
  - Continue readiness assessment and preparation activities
  - Initiate fuel packaging
  - Transport fuel to 200 Area Interim Storage Area
- Submit Closure Plan Amendment as required by M-94-02

## *Project Summary*

- M-89-00 closure activities are continuing: Preparations for Spent Nuclear Fuel removal are proceeding
- M-89-00 Closure Plan Amendment activities begun



# Nuclear Materials and Facility Stabilization

## Milestone TPA-M-92

---

IAMIT Meeting June 25, 2002  
Tri-Party Agreement  
Quarterly Milestone Review Report

Ecology Program Manager – FW Bond  
DOE-RL Program Manager – DT Evans  
FH Environmental Sponsor – DH Vu

# Milestone M-92-00 Interim Milestones and Target Dates

Milestone	Description	Target Date	Status
M-92-00	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford Site cesium and strontium capsules (Cs/Sr), bulk sodium (Na), and 300 Area Special Case Waste (SCW).	TBD	TBD
M-92-01	Complete commercial disposition and/or acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for sitewide consolidation and storage prior to commercial use or treatment and/or repackaging by DOE-TWRS.	12/31/09	On schedule
M-92-05	Inclusion of Hanford Site Cs/Sr "treatment and/or repackaging parameters" in DOE TWRS Phase II Request for Proposals (treatment and/or repackaging of all remaining Cs/Sr).	6/30/03	Reported elsewhere
MX-92-06-T01	Complete commercial disposition and/or acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal/disposition of all Hanford Site U.  Complete the disposal/disposition of ~5 metric tons of UO <sub>2</sub> source materials located in the 300 Area Fuels Supply Shutdown Facilities and source material located in 325 and 2718-E and complete the disposition of ~235 metric tons of uranium billets located in the 300 Area.	12/31/01	Complete
MX-92-06-T02	Complete the disposal/disposition of ~135 metric tons of un-irradiated contaminated fuel located in the 300 Area and 5 metric tons of misc U source material located in all 300 and 200 Area Fuel Supply Shutdown (FSS) Facilities, and complete the disposal/disposition of ~825 metric tons of un-irradiated fuel source materials located in the 300 Area FSS Facilities.	9/30/06	On Schedule
M-92-09	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford Site sodium	In Abeyance	Change Request
M-92-10	Submit Hanford Site Sodium Project Management Plan (PMP) to Ecology pursuant to Agreement Action Plan Section 11.5.	In Abeyance	Change Request

# Milestone M-92-00 Interim Milestones and Target Dates (cont'd)

---

Milestone	Description	Target Date	Status
MX-92-11-T01	Complete disposition options for all Hanford non-radioactive sodium.	9/30/04	On schedule
M-92-12	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for consolidated storage, prior to disposal of Hanford Site 300 Area SCW and materials.	9/30/06	On schedule
M-92-13	Submit 300 Area SCW PMP to Ecology pursuant to Agreement Action Plan, Section 11.5.	9/30/00	Complete
M-92-14	Complete removal and transfer, and initiate storage of Phase I 300 Area SCW and materials. Phase I inventory will consist of, at minimum, one-third the total curie content of all 300 Area SCW.	9/30/02	Complete
M-92-15	Complete removal and transfer, and initiate storage of Phase II 300 Area SCW and materials. Phase II inventory will consist of, at minimum, half the remaining curie content of 300 Area SCW.	9/30/04	Complete
M-92-16	Complete removal and transfer and initiate storage of Phase III 300 Area SCW and materials.	9/30/06	On schedule

# Program Manager's Assessment

since last quarterly review

---

## ☛ **Environmental - Excellent**

- No negative environmental impacts or issues have arisen out of the storage and/or handling, packaging, or transportation of the Special Case Waste (SCW) inventory

## ☛ **Safety - Excellent**

- No negative safety impacts or issues have arisen out of the storage and/or handling, packaging, or transportation of the SCW inventory

## ☛ **Budget - Excellent**

- Key milestone M-92 activities are being completed within budget

# Program Manager's Assessment (cont'd)

since last quarterly review

---

## ☛ **Schedule - Good**

- **MX-92-06-T02**
  - Awaiting approval of Solid Waste EIS to complete disposition of 825 tons of uranium remaining in 300 Area
- **M-92-09 and M-92-10**
  - A draft change request has been submitted to reinstate these milestones with revised due dates
- **MX-92-11-T01**
  - All small diameter sodium wetted piping has been cut up and packaged for shipment to the offsite treatment facility
  - An exemption has been requested from Department of Transportation to allow shipment of the cold trap vessel to the offsite treatment facility
- **M-92-16**
  - The 327 facility continued collecting and packaging SCW comprised of metallurgical specimens removed from the Dry Storage Carrousel and Legacy Waste Buckets from hot cells
  - Completed radiological characterization of the 340 Tank Vaults
  - All PNNL's SCW inventory disposed in compliant facility on March 28, 2002

# Significant Planned Actions

next three months

---

## ☛ M-92-09 and M-92-10

- Negotiations are in progress on FFTF milestones and are expected to also yield agreement on new dates for reinstatement of these milestones.

## ☛ MX-92-11-T01

- Solicit contract bids for cleaning the sodium residuals from 3718M storage tank and 337B Composite Reactor Component Test Activity (CRCTA) vessel. The contract will be for conversion of the residuals to useable caustic; final rinsing and drying of the vessels will be self-performed.
- Ship small diameter piping to an offsite treatment center.
- Prepare the cold trap for shipment to an offsite treatment center.

## ☛ M-92-16

- Continue collecting and packaging SCW comprised of metallurgical specimens removed from the Dry Storage Carrousel and Legacy Waste Buckets from hot cells at the 327 Facility

# Project Summary

---

- M-92-05: Milestone is covered in ORP Milestone Review
- MX-92-06-T02: On schedule
- M-92-09: Negotiating draft change request
- M-92-10: Negotiating draft change request
- MX-92-11-T01: On schedule
- M-92-15: Complete – letter of completion sent to Ecology on December 18, 2001
- M-92-16: On schedule.

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

---

June 25, 2002

E0206003

# **ENVIRONMENTAL RESTORATION PROJECT**

---

## **TABLE OF CONTENTS**

### **RIVER CORRIDOR**

- River Corridor FY02 Milestone Status
- River Corridor Milestone Statistics
- River Corridor Milestone Summary Schedule
- River Corridor Change Requests
- River Corridor Project Status / Accomplishments
- River Corridor Issues
- River Corridor FY02 PBS Performance Summary

### **CENTRAL PLATEAU**

- Central Plateau FY02 Milestone Status
- Central Plateau Milestone Statistics
- Central Plateau Milestone Summary Schedule
- Central Plateau Change Requests
- Central Plateau Project Status / Accomplishments
- Central Plateau Issues
- Central Plateau FY02 PBS Performance Summary

# RIVER CORRIDOR

**ENVIRONMENTAL RESTORATION PROJECT**  
**RIVER CORRIDOR**  
**FY 2002 TPA MILESTONE SUMMARY**  
**(Major & Interim Milestones)**

*Status as of: May 31, 2002*

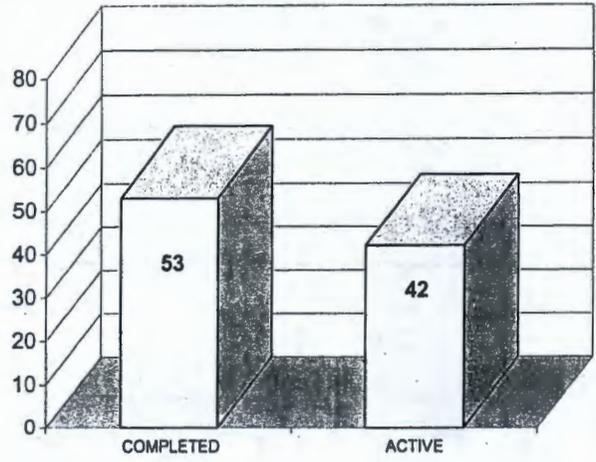
PBS	Milestone	Title	Compliance Date	Forecast/ Actual Date	Completed		Forecast			Unrecov erable	Deleted
					Ahead Schedule	On Schedule	Ahead Schedule	On Schedule	Behind Schedule		
RC01	M-16-00F	Establish Date for Completion of All 100 Area Remedial Actions	12/31/2001	12/31/2001(A)		X					
RS02	M-93-12**	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	12/11/2001(A)	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	04/30/2002(A)	X						
RC01	M-93-06	Complete Removal Action Work Plan/S&M Plan for B Reactor	06/30/2002	06/21/2002			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	04/10/2002(A)	X						
RC01	M-16-41C*	Complete Backfill and Regrading of JA Jones and 600-23 Waste Sites. Revegetation will occur during the following planting season.	TBD	12/14/2001(A)	X						
RC01	M-93-14*	Initiate Negotiation of Remaining Surplus Reactor Disposition Schedules	06/30/2003	04/30/2002(A)	X						
RC01	M-93-15*	Complete Negotiation of Remaining Surplus Reactor Disposition Schedules	12/31/2003	04/30/2002(A)	X						
<b>TOTAL FY 2002 ER River Corridor TPA Milestones</b>			<b>10</b>		<b>7</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

\* M-16-41C, M-93-14, and M-93-15 were outyear milestones that were completed during FY02.

\*\* M-93-12 was deleted by TPA change request M-93-01-02 on April 30, 2002.

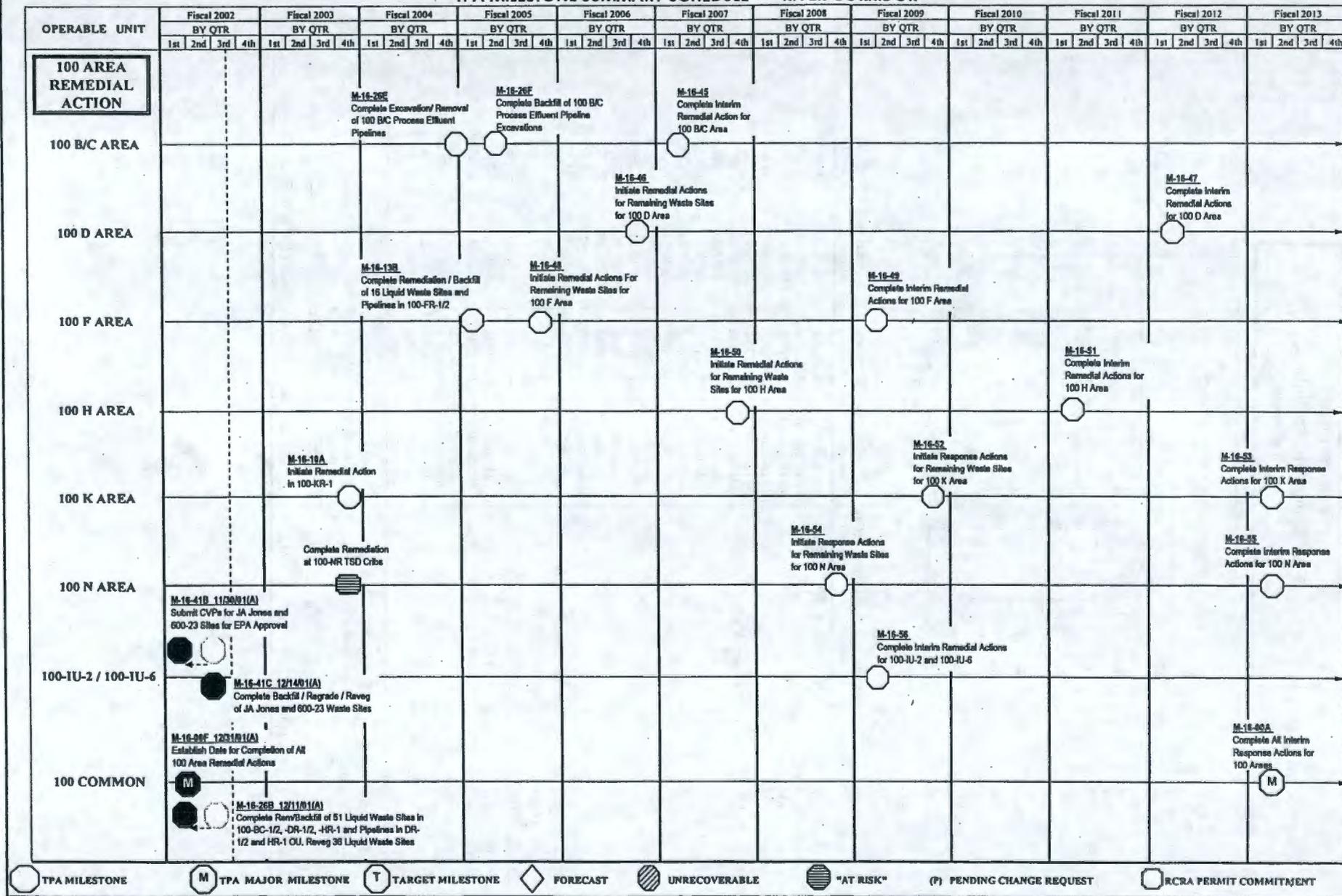
**ENVIRONMENTAL RESTORATION PROJECT**

**River Corridor  
TPA Milestone Statistics  
(Major & Interim Milestones)**



	Compliance Due Date	Total Active @ 05/2002	Milestone Number	Compliance Due Date	Milestone Number	Compliance Due Date
<b>M-16-00</b> Remedial Design / Remedial Action	<b>9/30/2018</b> (M-16-00B)	26	M-16-00F(C)	12/31/01	M-16-50	07/31/07
			M-16-26B(C)	03/31/02	M-16-54	07/31/08
			M-16-41B(C)	03/31/02	M-16-49	12/31/08
			M-16-03A(C)	06/30/02	M-16-56	12/31/08
			M-16-03G(C)	09/30/02	M-16-61	12/31/08
			M-16-10A	08/01/03	M-16-52	07/31/09
			M-16-63	11/30/03	M-16-64	09/30/10
			M-16-03H	12/31/03	M-16-51	12/31/10
			M-16-26E	09/30/04	M-16-47	12/31/11
			M-16-13B	10/29/04	M-16-53	12/31/12
			M-16-26F	02/28/05	M-16-55	12/31/12
			M-16-48	07/31/05	M-16-62	12/31/12
			M-16-65	08/30/05	M-16-00A	12/31/12
			M-16-46	07/31/06	M-16-00B	09/30/18
			M-16-45	12/31/06	M-16-41C(C)	TBD
			M-16-60	12/31/06	M-16-03I	TBD
			<b>M-70-00</b> ERDF Operational	<b>7/01/1996(A)</b> (M-70-00)	0	
<b>M-93-00</b> Reactors on River Final Disposition	TBD (M-93-00)	12	M-93-06	06/30/02	M-93-18	12/31/05
			M-93-14(C)	06/30/03	M-93-23	07/31/06
			M-93-16	09/30/03	M-93-24	09/30/06
			M-93-15(C)	12/31/03	M-93-19	09/30/09
			M-93-11	09/30/04	M-93-22	09/30/11
			M-93-17	12/31/04	M-93-20	09/30/12
M-93-25	09/30/05	M-93-00	TBD			
<b>M-94-00</b> 300 Area Surplus Facilities Disposition	<b>9/30/2018</b> (M-94-00)	4	M-94-01	11/30/03		
			M-94-04	08/30/05		
			M-94-03	09/30/10		
			M-94-00	09/30/18		
<b>TOTAL ACTIVE MILESTONES</b>		<b>42</b>	<b>8</b>	<b>--- MILESTONES COMPLETED IN FY02 (C)</b>		

Richland Environmental Restoration Project  
 TPA MILESTONE SUMMARY SCHEDULE -- RIVER CORRIDOR



Richland Environmental Restoration Project

TPA MILESTONE SUMMARY SCHEDULE -- RIVER CORRIDOR

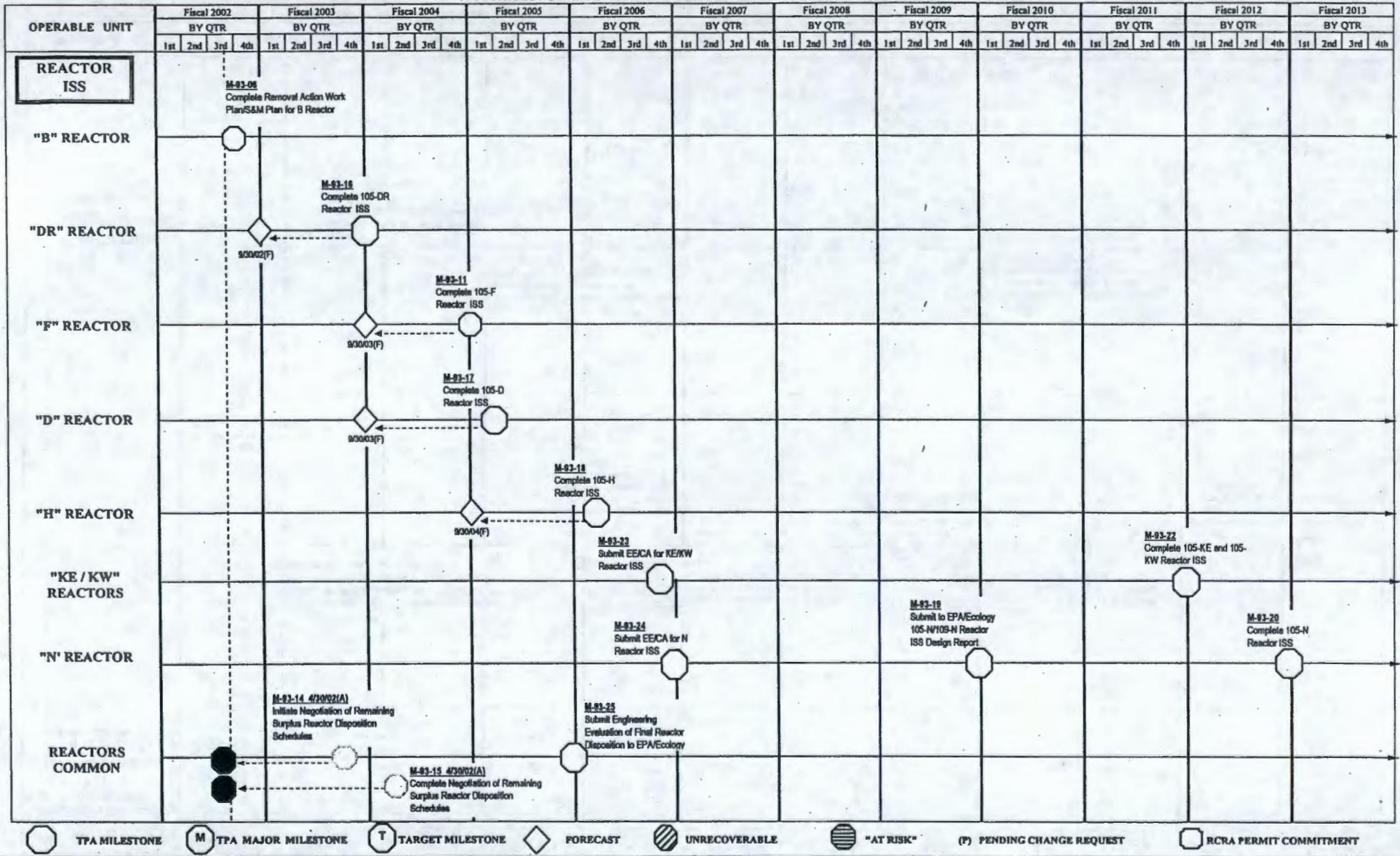
OPERABLE UNIT	Fiscal 2002				Fiscal 2003				Fiscal 2004				Fiscal 2005				Fiscal 2006				Fiscal 2007				Fiscal 2008				Fiscal 2009				Fiscal 2010				Fiscal 2011				Fiscal 2012				Fiscal 2013							
	BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR											
	1st	2nd	3rd	4th																																																
<b>300 AREA REMEDIAL ACTION / FACILITIES</b>																																																				
300-FF-1																																																				
300-FF-2																																																				
300 COMMON																																																				
300 SURPLUS FACILITIES																																																				

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

M-16-03I (TBD) - Complete Treatment of Drummed Waste from 618-4 Burial Ground  
 M-84-00 - 09/30/2018 - Complete Disposition of 300 Area Surplus Facilities  
 M-16-00B - 09/30/2018 - Complete All Interim 300 Area Remedial Actions to Include Confirmatory Sampling of all Candidate Sites Listed in 300-FF-2 ROD

Richland Environmental Restoration Project

TPA MILESTONE SUMMARY SCHEDULE -- RIVER CORRIDOR



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

**ERC RIVER CORRIDOR TPA CHANGE REQUESTS (March 2002 - May 2002)**

**M-16-01-05  
100 Area  
Remedial Actions  
Approved - 4/30/02**

This change request established a date for completion of all 100 Area interim remedial actions as required by M-16-00F (established 12 new interim milestones), modified M-16-00A milestone description and date, and deleted M-16-01 (Complete 100 N Area D&D - TBD). Additionally, it aligned the M-16 series milestones for completion of 100 Area remedial actions by 2012. New milestones include:

- M-16-45 - (12/31/06) Complete Interim Remedial Action for 100 B/C Area
- M-16-46 - (7/31/06) Initiate Remedial Actions for Remaining Waste Sites for 100 D Area
- M-16-47 - (12/31/11) Complete Interim Remedial Actions for 100 D Area
- M-16-48 - (7/31/05) Initiate Remedial Actions for Remaining Waste Sites for 100 F Area
- M-16-49 - (12/31/08) Complete Interim Remedial Actions for 100 F Area
- M-16-50 - (7/31/07) Initiate Remedial Actions for Remaining Waste Sites for 100 H Area
- M-16-51 - (12/31/10) Complete Interim Remedial Actions for 100 H Area
- M-16-52 - (7/31/09) Initiate Response Actions for Remaining Waste Sites for 100 K Area
- M-16-53 - (12/31/12) Complete Interim Response Actions for 100 K Area
- M-16-54 - (7/31/08) Initiate Response Actions for Remaining Waste Sites for 100 N Area
- M-16-55 - (12/31/12) Complete Interim Response Actions for 100 N Area
- M-16-56 - (12/31/08) Complete Interim Remedial Actions for 100-IU-2 and 100-IU-6

**M-16-01-06  
300 Area  
Remedial Actions  
Approved - 4/30/02**

This change request established a date for completion of all 300 Area interim remedial actions as required by M-16-03A (established 6 new ER interim milestones) and modified the M-16-00B milestone description and date. New milestones include:

- M-16-60 - (12/31/06) 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, and 618-7) and Complete Confirmatory Sampling of 300-FF-2 Candidate Sites 300-7 and 300-9
- M-16-61 - (12/31/08) Complete Interim Remedial Actions for Remaining High Environmental Priority 300-FF-2 Waste Sites (316-4, 618-2, 618-3, 618-5, and 618-7)
- M-16-62 - (12/31/12) Complete Interim Remedial Actions for the Following 300-FF-2 Waste Sites: 300-8, 300-18, 300-VTS, 316-4, 600-259, 618-2, 618-3, 618-5, 618-7, 618-8, and 618-13 (see Table 1 in TPA CR M-16-01-06)
- M-16-63 - (11/30/03) Submit a Schedule and TPA Milestones to Complete Interim Remedial Actions for the Following 300-FF-2 Waste Sites (300-259, 303-M SA, 303-M UOF, UPR-300-46, UPR-300-17, and 618-1) and Confirmatory Sampling of the Following 300-FF-2 Candidate Sites (300-108, 300-110, and 333 ESHWSA) (see Table 2 in TPA CR M-16-01-06)
- M-16-64 - (9/30/10) Complete Interim Remedial Actions for the Following 300-FF-2 Waste Sites (300-259, 303-M SA, 303-M UOF, UPR-300-46, UPR-300-17, and 618-1) (see Table 2 in TPA CR M-16-01-06)
- M-16-65 - (8/30/05) Submit a Schedule and TPA Milestones to Complete Interim Remedial Actions for the 300-FF-2 Waste Sites and Confirmatory Sampling of 300-FF-2 Candidate Sites Inside the Fence

**M-93-01-02**  
**100 Area**  
**Surplus Reactors**  
**Approved - 4/30/02**

This change request provides the overall framework for disposition of the 100 Area surplus reactors. Ten new interim milestones were established. Three milestones were deleted: M-93-10 (Submit F Reactor S&M Plan), M-93-12 (Issue DR Reactor Competitive Procurement Package), and M-93-21-T1 (Complete 105-KW Reactor ISS). M-93-11 date was modified. This change aligns the M-93 milestones with the objective for reactor ISS to be completed by 2012. New milestones include:

M-93-06 - (6/30/02) Complete Removal Action Work Plan/S&M Plan for B Reactor

M-93-16 - (9/30/03) Complete 105-DR Reactor Interim Safe Storage

M-93-17 - (12/31/04) Complete 105-D Reactor Interim Safe Storage

M-93-18 - (12/31/05) Complete 105-H Reactor Interim Safe Storage

M-93-19 - (9/30/09) Submit to EPA and Ecology the 105/109-N Reactor ISS Design Report

M-93-20 - (9/30/12) Complete 105-N Reactor Interim Safe Storage

M-93-22 - (9/30/11) Complete 105-KE and 105-KW Reactor Interim Safe Storage

M-93-23 - (7/31/06) Submit Engineering Evaluation/Cost Analysis for KE/KW Reactor ISS

M-93-24 - (9/30/06) Submit Engineering Evaluation/Cost Analysis for N Reactor ISS

M-93-25 - (9/30/05) Submit an Engineering Evaluation of the Final Reactor Disposition to EPA and Ecology

**M-94-01-01**  
**300 Area**  
**Surplus Facilities**  
**Approved - 4/30/02**

This change request provides the overall framework for disposition of the 300 Area surplus facilities. Four new ER interim milestones were established. This change aligns the M-94 milestones with the objective for 300 Area surplus facility disposition to be completed by 2018. New milestones include:

M-94-00 - (9/30/18) Complete Disposition of 300 Area Surplus Facilities

M-94-01 - (11/30/03) Submit a Schedule and TPA Milestones to Complete Disposition of the Following Surplus Facilities: 303M, 332, 333, 334, 334A, 3221, 3222, 3223, 3224, 3225, 324, 324B, 327 (see TPA CR M-94-01-01, Table 1)

M-94-03 - (9/30/10) Complete Disposition of the Following Surplus Facilities: 303M, 332, 333, 334, 334A, 3221, 3222, 3223, 3224, 3225, 324, 324B, 327 (see TPA CR M-94-01-01, Table 1)

M-94-04 - (8/30/05) Submit a Schedule and TPA Milestones to Complete Disposition of Surplus Facilities in 300 Area and Identify 300 Area Facilities and Associated Waste Sites that will Remain Past M-94-00 Date (9/30/2018)

## ERC RIVER CORRIDOR PROJECT ACCOMPLISHMENTS

### General (M-16-00F, M-16-03A, M-93-14, M-93-15)

Four River Corridor (100 and 300 Area) TPA change packages were approved by the Tri-Parties on April 30. Approval of these change packages marked a significant accomplishment that establishes an accelerated cleanup and facility disposition schedule for the Hanford Site river corridor area.

### Remedial Action (M-16-03G)

Steady progress continues on 100 B/C Area pipeline remediation. During March, potholes were dug to determine the exact location of two pipelines. Contamination was encountered in the potholes, which indicates contamination may be present all along these pipelines. Four potholes and three trenches were also excavated in the 118-B-1 and 118-B-3 burial grounds in support of the 100 B/C burial ground design. In May, backfill operations were completed for the three outfall structures.



Demolishing 42-inch Reinforced Concrete Pipes at 100 F Area

In the 100 F Area, excavation activities progressed at several pipeline and waste sites. Variance sampling has been completed for 40% of the ash pit. Significant waste minimization opportunities are being realized for the ash pit remediation. Through May, six CVPs have been completed during FY02 for 100 F Area waste sites.

In the 100 N Area, a bonded fiber matrix was applied over newly excavated areas for long-term minimization of wind erosion and contamination spread. Excavation and loadout activities at the 116-N-1 trench will be the primary focus through mid-June. Soil blending continues to maintain the ERDF waste acceptance criteria.

The ERDF waste staging area was ready to accept 618-4 burial ground waste drums on April 10, which satisfied completion of TPA Milestone M-16-03G (due September 30) more than five months ahead of schedule. The first drum shipment from the 618-4 burial ground to ERDF occurred on April 17.

Through May, 357 drums containing uranium chips or uranium oxide had been shipped to ERDF for interim staging.



Dumping Contaminated Soil for Additional Mixing at the 116-N-1 Trench

Through May, 418,284 tons of waste were disposed in ERDF during FY02, which is about 5% behind the plan mainly due to inclement weather. Full recovery is expected. Since ERDF began operations in July 1996, a total of 3,571,585 tons of waste have been disposed in ERDF.

ERDF Transportation Team has driven 6.1 million miles without an at-fault accident, and ERDF Disposal personnel have worked more than 6 years (73 months) without a lost-time accident.

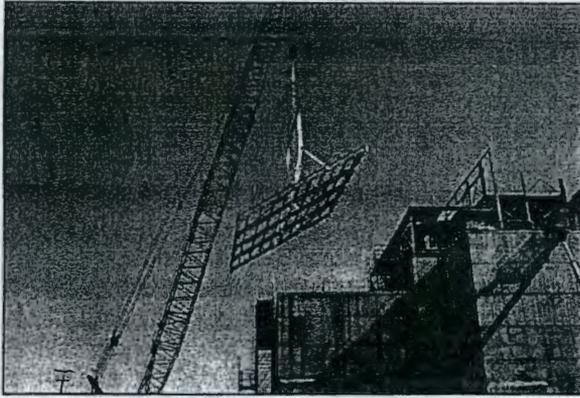


Placing 95-gallon Drum into B-25 Box at 618-4 Burial Ground (300 Area)

### Reactor ISS (M-93-16)

The F Reactor fuel storage basin (FSB) fill removal was completed on April 24. Through May, 15 spent nuclear fuel (SNF) elements and one partial SNF element were discovered during the FSB excavation. All elements were shipped to K Basin. Excavation of the east and west transfer pits was also completed.

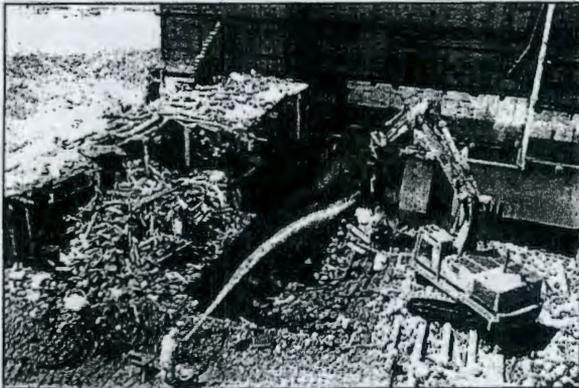
## ERC RIVER CORRIDOR PROJECT ACCOMPLISHMENTS



First Section of Roof Lifted  
Into Place at DR Reactor

The structural steel roof section for Zone 1 of DR Reactor was assembled on the ground and then lifted into place on May 30. DR Reactor interim safe storage (ISS) is planned to be completed this fiscal year.

At D Reactor, below-grade pourbacks in Area 2 (valve pit/supply fan room areas) and Area 3 (fan rooms/exhaust plenum areas) were completed in April. During May, demolition of the fuel transfer bay was also completed.



D Reactor Fuel Storage Basin Demolition

At H Reactor, above-grade demolition of the FSB and transfer bay was completed. The readiness assessment for the first phase of the FSB cleanout was completed on May 9. The project is ready to proceed with fill removal down to the top of the stem walls.

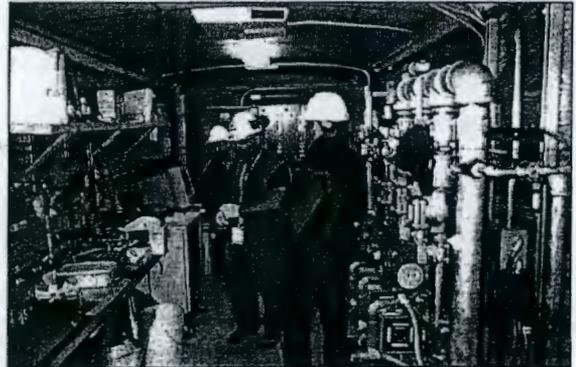
### Surveillance and Maintenance (M-93-06)

The B Reactor hazards mitigation removal action work plan was reviewed by RL and the regulators. Completion of the plan is expected by mid-June.

Mobilization for the 100 Area asbestos abatement work was initiated in May.

### Groundwater Remediation (M-16-27C)

Drilling was completed for the In Situ Redox Manipulation (ISRM) Phase III barrier wells in March. A total of 17 wells were installed, as planned. Well chemical injections were also initiated in March and are nearing completion. The regulators agreed to extend ISRM Phase III TPA Milestone M-16-27C (due September 30, 2002) to June 30, 2003. The extension will allow for further evaluation of barrier effectiveness in capturing hexavalent chromium, plume concentration and mitigation anomalies, and changing aquifer conditions encountered during construction. The Explanation of Significant Difference (ESD) and change request are in final reviews.



ERC Technical Staff Monitoring ISRM  
Injections in the 100 D Area

CERCLA upgrades were completed for the 100-HR-3 and 100-KR-4 groundwater remediation pump and treat systems during May.



Extraction Well to Enhance 100-HR-3 Pump & Treat

The three groundwater pump and treat systems (100-HR-3, 100-KR-4, 100-NR-2) operated above the planned 90% availability. Since system inception, these three pump and treat systems have processed over 3.4 billion liters of groundwater, removing approximately 299 kilograms of chromium and 1.2 curies of strontium.

## **ERC RIVER CORRIDOR ISSUES**

---

- **100 N Area Remediation:** Results of residual radioactivity (RESRAD) modeling performed using borehole data for the 116-N-1 crib and trench indicate that the site will not attain groundwater remedial action objectives (RAOs) following excavation. The results indicate that the lowest vadose zone layer contributes contaminants at levels above the RAOs.

**Strategy/Status:** Ecology has sent RL a letter requesting an updated plan to identify the path forward for site remediation options. A plan is currently being developed.

# ERC RIVER CORRIDOR PERFORMANCE SUMMARY

RIVER CORRIDOR  
 FY 2002 ERC PBS Performance Summary  
 FYTD May 2002  
 (\$K)

	FY02 DWP BCWS	CURRENT BCWS	FYTD			YTD SCHEDULE VARIANCE		YTD COST VARIANCE		EAC
			BCWS	BCWP	ACWP	\$	%	\$	%	
RC01	68,776	70,556	49,838	47,099	45,681	-2,739	-5.5%	1,418	3.0%	70,715
RC02	9,444	10,336	4,878	4,238	4,134	-640	-13.1%	104	2.5%	10,276
RC05	24,259	28,011	16,965	16,778	16,130	-187	-1.1%	648	3.9%	27,375
<b>RCR-Subtotal</b>	<b>102,479</b>	<b>108,903</b>	<b>71,681</b>	<b>68,115</b>	<b>65,945</b>	<b>-3,566</b>	<b>-5.0%</b>	<b>2,170</b>	<b>3.2%</b>	<b>108,366</b>
SC01	71	79	24	25	16	1	4.2%	9	36.0%	78
<b>SS-Subtotal</b>	<b>71</b>	<b>79</b>	<b>24</b>	<b>25</b>	<b>16</b>	<b>1</b>	<b>4.2%</b>	<b>9</b>	<b>36.0%</b>	<b>78</b>
<b>ERC TOTAL</b>	<b>102,550</b>	<b>108,982</b>	<b>71,705</b>	<b>68,140</b>	<b>65,961</b>	<b>-3,565</b>	<b>-5.0%</b>	<b>2,179</b>	<b>3.2%</b>	<b>108,444</b>

**Schedule Variance Summary:**

Through May, the ER River Corridor scope is \$3.6M (-5.0%) behind schedule. The negative schedule variance is attributed to delay of subcontractor key document submittals for DR Reactor SSE work, additional SNF elements encountered during F Reactor FSB excavation, delay in 618-4 burial ground mobilization/readiness assessment, and late arrival of resin for groundwater pump and treat systems. Recovery schedules for DR and F Reactor work have been implemented, and recovery is expected by fiscal year-end. Remediation of the 618-4 burial ground has been initiated, and recovery of excavation activities is expected by the end of July. Resin shipment was received in June.

**Cost Variance Summary:**

At the end of May, the ER River Corridor scope is \$2.2M (+3.2%) under cost. The positive cost variance is attributed to lower labor and sampling costs at 100 F and 100 B/C remediation sites, planned ERDF overtime not used due to weather curtailments, lower labor and material costs for S&M herbicide application, and reactor ISS downtime offsets due to weather curtailment and equipment repairs.

# CENTRAL PLATEAU

---

---

ENVIRONMENTAL RESTORATION PROJECT

CENTRAL PLATEAU  
 FY 2002 TPA MILESTONE SUMMARY  
 (Major & Interim Milestones)

Status as of: June 5, 2002

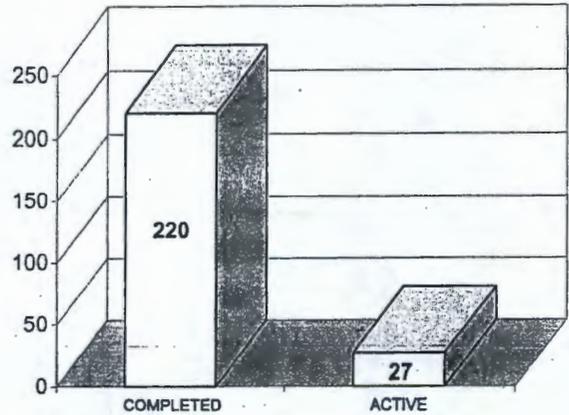
PBS	Milestone	Title	Compliance Date	Forecast/ Actual Date	Completed		Forecast			Unrecov erable	Deleted	
					Ahead Schedule	On Schedule	Ahead Schedule	On Schedule	Behind Schedule			
RC01	M-16-27B	Complete 100-HR-3 Phase II, ISRM Barrier Emplacement	12/31/2001	11/20/2001(A)	X							
CP01	M-13-26	Submit Plutonium/Organic-Rich Process Waste Group (200-PW-1) Work Plan	12/31/2001	12/26/2001(A)	X							
CP01	M-13-00L	Submit 3 200 NPL RI/FS (RFI/CMS) Work Plans	12/31/2001	12/26/2001(A)	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	01/21/2002(A)	(TPA commitment milestone not included in total count)							
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	06/30/2003						X		
<b>TOTAL FY 2002 ER Central Plateau TPA Milestones</b>			<b>10</b>		<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	

\* M-15-40A and M-15-42B were deleted by TPA change request M-015-02-01 on June 5, 2002.

\*\* M-16-27C - Regulators have agreed to extend milestone date to 6/30/03. A change request is being prepared.

**ENVIRONMENTAL RESTORATION PROJECT**

**Central Plateau  
TPA Milestone Statistics  
(Major & Interim Milestones)**



	Compliance Due Date	Total Active @ 06/2002 *	Milestone Number	Compliance Due Date	Milestone Number	Compliance Due Date
<b>M-13-00</b> Submit Work Plans for RFI/CMS or RI/FS Studies	12/31/2004 (M-13-000)	3	M-13-26(C)	12/31/01		
			M-13-00L(C)	12/31/01		
			M-13-00M	12/31/02		
			M-13-00N	12/31/03		
			M-13-00O	12/31/04		
<b>M-15-00</b> Site Investigations / Feasibility Studies	12/31/2008 (M-15-00)	13	M-15-41B	10/30/02	M-15-40C	10/31/04
			M-15-38A	03/31/03	M-15-39C	11/30/05
			M-15-40B	05/31/03	M-15-43C	12/31/05
			M-15-47	06/30/03	M-15-00C	12/31/08
			M-15-39A	09/30/03	M-15-00	12/31/08
			M-15-41C	03/31/04		
			M-15-39B	05/31/04		
			M-15-43B	06/30/04		
<b>M-16-00</b> Remedial Design / Remedial Action	9/30/2024 (M-16-00)	2	M-16-27B(C)	12/31/01		
			M-16-27C	09/30/02		
			M-16-00	09/30/24		
<b>M-20-00</b> Submit Closure Plans for All RCRA TSD Units (Shared with FH)	12/31/2008 (M-20-00B)	4	M-20-39	11/30/05		
			M-20-33	12/31/05		
			M-20-54	12/31/08		
			M-20-00B	12/31/08		
<b>M-24-00</b> RCRA Groundwater Monitoring	Annually	5	M-24-53(C)	12/31/01		
			M-24-54(C)	12/31/01		
			M-24-55(C)	12/31/01		
			M-24-00M(C)	12/31/01		
			M-24-00N	12/31/02		
			M-24-00O	12/31/03		
			M-24-00P	12/31/04		
			M-24-00Q	12/31/05		
			M-24-00R	12/31/06		
<b>TOTAL ACTIVE MILESTONES</b>		<b>27</b>	<b>7 --- MILESTONES COMPLETED IN FY02 (C)</b>			

\* Includes TPA changes requests approved on June 5, 2002.

Richland Environmental Restoration Project

TPA MILESTONE SUMMARY SCHEDULE -- CENTRAL PLATEAU

OPERABLE UNIT	Fiscal 2002		Fiscal 2003				Fiscal 2004				Fiscal 2005				Fiscal 2006				Fiscal 2007				Fiscal 2008				Fiscal 2009				Fiscal 2010				Fiscal 2011				Fiscal 2012				Fiscal 2013																													
	BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR																															
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th																												
<b>200 AREA REMEDIAL ACTION</b>																																																																								
<b>200 AREA WORK PLANS</b>	M-13-00L 12/28/01(A) Submit 3 200 NPL RIFS (RFICMS) Work Plans				M-13-00M Submit 1 200 NPL RIFS (RFICMS) Work Plan for 200-IS-1 OU, Includes waste sites in 200-ST-1				M-13-00H Submit 1 200 NPL RIFS (RFICMS) Work Plan for 200-UR-1 OU				M-13-00O Submit 1 200 NPL RIFS (RFICMS) Work Plan for 200-SW-2 OU, Includes waste sites in 200-SW-1																																																											
	M-13-29 12/26/01(A) Submit Plutonium/Organic-Rich Process Waste Group (200-PW-1) Work Plan																																																																							
<b>200 AREA ASSESSMENTS</b>					M-15-38A Submit 200-CW-1 FS/PP/ Proposed RCRA Permit Mod for Gable Min Pond/B Pond and Ditch Cooling Water Group				M-15-40C Submit 200-CW-5 FS/PP for U Pond/2 Ditches Cooling Water Group, Including Past Practice Waste Sites in 200-CW-2, 200-CW-4, & 200-SC-1																																																															
200-CW-1																																																																								
200-CW-5																																																																								
200-CS-1					M-15-39A Complete Chemical Sewer Group Field Work Through Sample Collection and Analysis				M-15-39B Submit 200-CS-1 Chemical Sewer Group RI Report				M-15-39C Submit 200-CS-1 FS/PP/Proposed RCRA Permit Mod for Chemical Sewer Group																																																											
200-TW-1 / 200-TW-2					M-15-41B Submit 200-TW-1 & 200-TW-2 OU RI Report to Regulators, Includes Past Practice Waste Sites in 200-PW-5				M-15-41C Submit 200-TW-1 & 200-TW-2 OU FS/Proposed Plan to Regulators, Including 200-PW-5																																																															
200-PW-2									M-15-43B Submit 200-PW-2 OU RI Report Including Past Practice Waste Sites in 200-PW-4				M-15-43C Submit 200-PW-2 OU FS/PP/Proposed RCRA Permit Mod Including Past Practice Waste Sites in 200-PW-4																																																											
<b>200 AREA COMMON</b>																																																																								
					M-15-47 Submit FP to Regulators to Conduct RA for Source Control at High-Risk Waste Sites Which Includes an Engrg Eval of an Engrd Surface Barrier																																																																			
<b>200 AREA CLOSURE PLANS</b>																																																																								
200-CS-1																																																																								
200-PW-2																																																																								
200-IS-1																																																																								

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

M-16-00 - 9/30/2024 - Complete Remedial Actions for All Non-Tank Farm Operable Units

Richland Environmental Restoration Project  
 TPA MILESTONES SUMMARY SCHEDULE -- CENTRAL PLATEAU

OPERABLE UNIT	Fiscal 2002		Fiscal 2003				Fiscal 2004				Fiscal 2005				Fiscal 2006				Fiscal 2007				Fiscal 2008				Fiscal 2009				Fiscal 2010				Fiscal 2011				Fiscal 2012				Fiscal 2013									
	BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR											
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th								
<b>GROUND-WATER</b>																																																				
<b>COMMON</b>																																																				
<b>100-HR-3</b>																																																				

M-24-51 thru 55 - M-24-51  
 (9/5/01A), M-24-52 (8/29/01A), M-24-54 (10/18/01A), M-24-53-55 (11/08/01A) Install 11 Monitoring Wells at SST WMA B-BX-BY, U, S-SX, T, TX-TY

M-24-80C  
 Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 In CY 2003 (if required)

M-24-80Q  
 Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 In CY 2005 (if required)

M-24-00M 11/08/01A  
 Install RCRA Groundwater Monitoring Wells at Rate from 0 to 50 In CY 2001 (if required)

M-24-00N  
 Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 In CY 2002 (if required)

M-24-00P  
 Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 In CY 2004 (if required)

M-24-00R  
 Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 In CY 2006 (if required)

M-16-37C  
 Complete 100-HR-3 Phase II, ISRM Barrier Emplacement

M-16-37R 11/20/01(A)  
 Complete 100-HR-3 Phase II, ISRM Barrier Emplacement

06/00/03(F)

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

## ERC CENTRAL PLATEAU TPA CHANGE REQUESTS (March 2002 - May 2002\*)

\* 200 Area Central Plateau change packages were approved on June 5, 2002 and are included below.

**M-13-02-01**  
200 Area  
M-13 Work Plans  
Approved - 6/5/02

For the 200 Area remediation activities, a streamlining of the RI/FS process was approved to establish a remedial decision framework at the major waste category level instead of the individual OU level. This change request accelerates the timetable to complete delivery of remaining work plans and also reflects fewer work plans to cover the same scope (M-13-00P was deleted).

**M-15-02-01**  
200 Area  
M-15 RI/FS Studies  
Approved - 6/5/02

For the 200 Area remediation activities, a streamlining of the RI/FS process was approved to establish a remedial decision framework at the major waste category level instead of the individual OU level. This change request maintains the same timetable to complete RI/FS studies. Changes include establishing two milestones that support the 200-PW-2 OU RI/FS and one milestone to submit a Proposed Plan for remediation at a high-risk waste site. Other changes also include clarifications, consolidation, and deletions of some existing TPA milestones/target dates.

**New Milestones:**

**M-15-43B - 6/30/04** Submit 200-PW-2 OU RI Report including Past Practice Waste Sites in the 200-PW-4 General Process Waste Group

**M-15-43C - 12/31/05** Submit 200-PW-2 OU Feasibility Study and Proposed Plan/Proposed RCRA Permit Modification including Past Practice Waste Sites in the 200-PW-4 General Process Waste Group

**M-15-47 - 6/30/03** Submit a Proposed Plan to EPA and/or Ecology to Conduct Remedial Action(s) for Source Control at High-Risk Waste Site(s) Which Includes an Engineering Evaluation of an Engineered Surface Barrier

**Deleted Milestones:**

**M-15-02E-T3, -T4, -T5, -T6, -T7** - Remediation activities for 200-BP-1 OU.

**M-15-40A** - Complete 200-CW-5 U Pond/Z Ditches Cooling Water Group Field Work

**M-15-42B** - Submit 200-TW-2 OU Draft A RI Report to Ecology

**M-15-42C** - Submit 200-TW-2 OU Draft A FS and Draft A Proposed Plan/Proposed Permit Modification to Ecology

**M-20-02-01**  
200 Area  
M-20 Closure Plans  
Approved - 6/5/02

This change request extends closure plan submittal dates to coincide with feasibility study completion dates. Two milestones were deleted: **M-20-52** (Submit 216-A-37-1 Crib Closure/Postclosure Plan) and **M-20-53** (Submit 207-A Retention Basin Closure/Postclosure Plan) because these plans were added to existing milestones. One new ER milestone was established:

**M-20-00B (12/31/08)** - Submit Closure/Postclosure Plans for 216-A-10, 216-A-36B, 216-A-37-1, 207-A South Retention Basin, 216-S-10 Pond, 216-S Ditch, 241-CX-70, 241-CX-71, and 241-CX-72

**M-16-02-01**  
200 Area  
Non-Tank Farm RA  
Approved - 6/5/02

This change request modifies the M-16-00 description and extends the non-tank farm remedial action completion date to coincide with single-shell tank farm closure (M-45-00).

**ERC CENTRAL PLATEAU TPA CHANGE REQUESTS (March 2002 - May 2002)**

*Proposed ERC Central Plateau TPA Change Requests*

**M-15-01-03\***  
**200-LW-1**  
**RI/FS Studies**  
**Proposed**

This change request proposes adding two interim milestones to implement additional activities for the 200-LW-1 Operable Unit Remedial Investigation/Feasibility Study process:

**M-15-46A (10/31/05)** - Submit 200-LW-1 OU Remedial Investigation Report, including the Past Practice Waste Sites in the 200-LW-2 200 Area Chemical Laboratory Group

**M-15-46B (09/30/06)** - Submit 200-LW-1 OU Feasibility Study and Proposed Plan/Proposed Permit Modification, including the Past Practice Waste Sites in the 200-LW-2 200 Area Chemical Laboratory Group

**M-15-01-04\***  
**200-MW-1**  
**RI/FS Studies**  
**Proposed**

This change request proposes adding two interim milestones to implement additional activities for the 200-MW-1 Operable Unit Remedial Investigation/Feasibility Study process:

**M-15-44A (12/31/05)** - Submit 200-MW-1 OU Remedial Investigation Report

**M-15-44B (12/31/06)** - Submit 200-MW-1 OU Feasibility Study and Proposed Plan

**M-15-01-05\***  
**200-PW-1**  
**RI/FS Studies**  
**Proposed**

This change request proposes adding two interim milestones to implement additional activities for the 200-PW-1 Operable Unit Remedial Investigation/Feasibility Study process:

**M-15-45A (06/30/05)** - Submit 200-PW-1 OU Remedial Investigation Report including the Past Practice Waste Sites in the 200-PW-3 Organic-Rich Process Waste Group and 200-PW-6 Plutonium-Rich Process Waste Group

**M-15-45B (03/31/06)** - Submit 200-PW-1 OU Feasibility Study and Proposed Plan including the Past Practice Waste Sites in the 200-PW-3 Organic-Rich Process Waste Group and 200-PW-6 Plutonium-Rich Process Waste Group

\* These proposed milestones will be modified and resubmitted to align with similar change requests established during Central Plateau TPA negotiations.

## ERC CENTRAL PLATEAU PROJECT ACCOMPLISHMENTS

### Transition

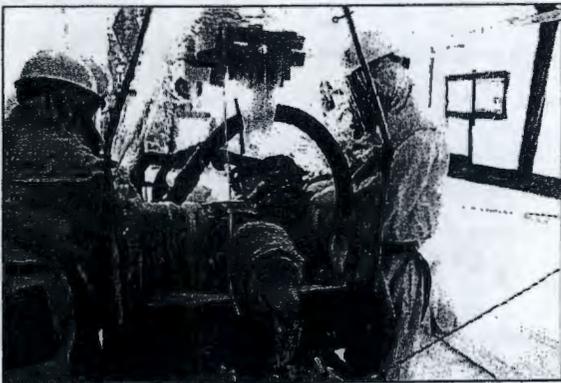
Central Plateau Transition Plan implementation continued with BHI non-manual employees responding by May 10 to employment offers from FH, final preparations for early transition of B Plant and PUREX, and project and functional discussions and information exchanges.

### 200 Area Remediation (M-13, M-15, M-20, M-16-00)

Four Central Plateau TPA change packages were approved by the Tri-Parties on June 5. Approval of these change packages marked a significant accomplishment that establishes commitments for accelerated cleanup schedules for the 200 Area non-tank farm operable units at the Hanford Site.

During May, drilling, sampling, geophysical logging and decommissioning activities were completed for the 216-Z-11 characterization borehole in the 200-CW-5 operable unit (U pond/Z ditches cooling water waste groups). Soil vapor sampling of the burial ground vent in the 200-PW-1 operable unit (plutonium/organic-rich process waste group) was also completed.

The 200-MW-1 operable unit (miscellaneous waste group) Rev. 0 work plan was transmitted to RL for approval and subsequent transmittal to the regulators. Several other operable unit work plans are in various stages of review/completion.



Samplers Working with Soil Samples at 216-Z-11 Ditch Borehole (200-CW-5)

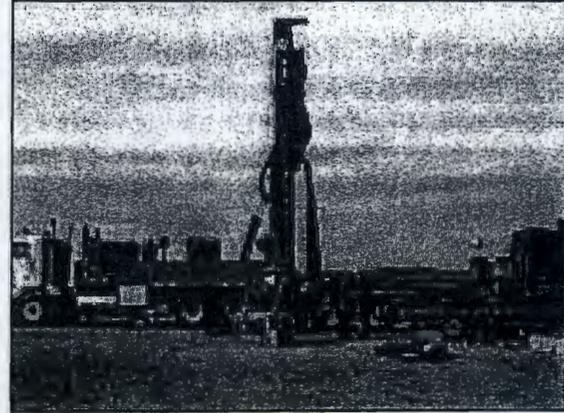
### Groundwater Remediation

In March, two draft sampling and analysis plans were delivered to the regulators that outline the proposed FY03 groundwater monitoring network for the 200-UP-1 and 200-PW-1 operable units.

The two Central Plateau groundwater pump and treat systems (200-UP-1, 200-ZP-1) continued operation above the planned 90% availability. Since system inception, these two pump and treat systems have processed approximately 2.4 billion

liters of groundwater. To date, approximately 6,567 kilograms of carbon tetrachloride have been removed by 200-ZP-1.

The spring startup of the 200-PW-1 active soil vapor extraction system was successfully completed in April.



Dual Wall Percussion Rig at ILAW Drill Site (200 East Area)

### Groundwater/Vadose Zone Integration

The semi-annual (April-September 2001) GW/VZ Integration Project report was delivered to HQ. Submittal deliverables for this report have been changed from semi-annual to annual beginning in FY03.

In March, assembly of the new System Analysis Capability (SAC) hardware and two realization shakedown runs were completed. A rerun of the initial assessment was also initiated. In May, a draft of the SAC software user's guide was also completed for the inventory and transport elements. This guide will assist in training new users and also provides documentation required for review and acceptance of assessment results.

Workshops were held with the regulators to identify groundwater decisions and to discuss the coordination of groundwater monitoring requirements of CERCLA, RCRA, and Atomic Energy Act (AEA).

In March, discussions were held with the Confederated Tribe of the Umatilla Indian Reservation regarding the Central Plateau Risk Framework. In May, a workshop was also held with the Nez Perce and Yakama Tribes to discuss various environmental activities.

During May, a meeting was held with the Expert Panel chair, RL, and ORP to discuss the path forward for reformatting the Expert Panel.

## ERC CENTRAL PLATEAU PROJECT ACCOMPLISHMENTS

Excavation of the field site and final preparations were completed for the field experiment in support of the vadose zone transport field study. Irrigation activities were also initiated.

### 233-S Plutonium Concentration Facility

The remaining two process hood vessels were removed in March. This completes the successful, early removal of all 15 vessels that was started in early FY00. This scope (vessel removal) was originally scheduled for completion in March 2003.

All vessel and miscellaneous piping, tubing, and conduit have also been removed from the process hood.

Sixty-eight (68) drums of transuranic waste and 8 standard waste boxes were shipped to the Central Waste Complex during March, April, May, and June.

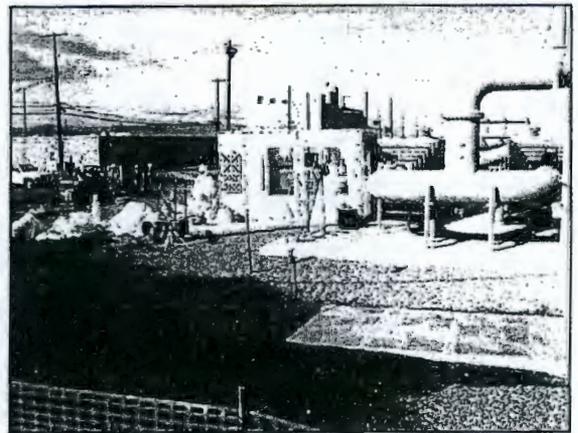
Process cell structural steel and grating have also been removed from the 233-S facility (accelerated from the fourth quarter).



Removing Miscellaneous Piping at 233-S

### Surveillance and Maintenance

On April 8, the B Plant ventilation system was shut down and isolated to complete the changeout of the two HEPA pre-filters. A full dress mock-up with communication and remote radiation monitoring was conducted to refine the procedure and work practices. Extensive pre-job planning and mock-up training were credited for the significant ALARA reduction and shortened execution duration.



Containment for B-Plant Pre-filter Changeout

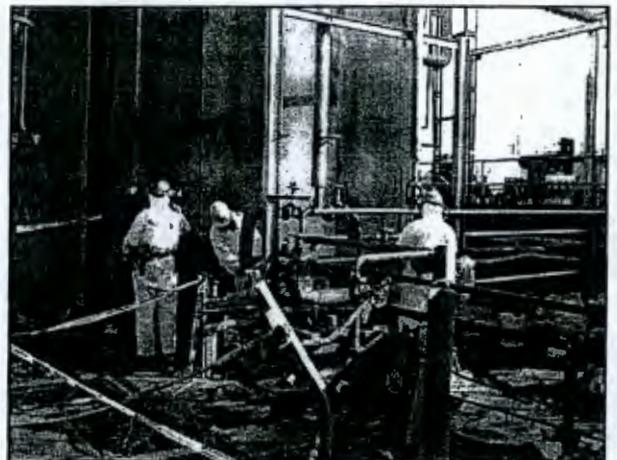
The REDOX, U03, U Plant, and 224-B annual roof inspections were completed; and the PUREX semi-annual roof inspection was completed. The B Plant structural roof surveillance and evaluation were also completed.

Support was provided for transition of B Plant and PUREX facilities on June 3 to Fluor Hanford. Activities included briefings, walkdowns, AB document orientations, and tours.

The 291-U stack area RARA stabilization was completed one month ahead of schedule.

The first phase of herbicide/pesticide application was completed for all Central Plateau vegetated areas.

The 200 Area asbestos abatement work was completed one month ahead of schedule.



Getting the 211-S Asbestos Abatement Job Done Safely

## **ERC CENTRAL PLATEAU ISSUES**

---

There are no ERC Central Plateau issues at this time.

# ERC CENTRAL PLATEAU PERFORMANCE SUMMARY

## CENTRAL PLATEAU

### FY 2002 ERC PBS Performance Summary

FYTD May 2002

(\$K)

	FY02 DWP		CURRENT		FYTD		YTD SCHEDULE VARIANCE		YTD COST VARIANCE		EAC
	BCWS	BCWS	BCWS	BCWP	ACWP	\$	%	\$	%		
CP01	32,663	25,807	22,617	22,283	20,072	-334	-1.5%	2,211	9.9%	23,408	
<b>CPT-Subtotal</b>	<b>32,663</b>	<b>25,807</b>	<b>22,617</b>	<b>22,283</b>	<b>20,072</b>	<b>-334</b>	<b>-1.5%</b>	<b>2,211</b>	<b>9.9%</b>	<b>23,408</b>	
SS03	17,141	12,304	10,769	10,140	9,697	-629	-5.8%	443	4.4%	12,001	
SS04	3,382	7,820	6,865	6,208	5,846	-657	-9.6%	362	5.8%	7,521	
<b>SI&amp;I-Subtotal</b>	<b>20,523</b>	<b>20,124</b>	<b>17,634</b>	<b>16,348</b>	<b>15,543</b>	<b>-1,286</b>	<b>-7.3%</b>	<b>805</b>	<b>4.9%</b>	<b>19,522</b>	
<b>ERC TOTAL</b>	<b>53,186</b>	<b>45,931</b>	<b>40,251</b>	<b>38,631</b>	<b>35,615</b>	<b>-1,620</b>	<b>-4.0%</b>	<b>3,016</b>	<b>7.8%</b>	<b>42,930</b>	

#### Schedule Variance Summary:

Through May, the ER Central Plateau scope is \$1.6M (-4.0%) behind schedule. The negative schedule variance is attributed to delays in PNNL groundwater modeling and monitoring due to late computer hardware/software purchase, conflicts in staffing priorities, awaiting outcome of C3T groundwater strategy; late arrival of SAC computer components which impacted software testing; and science and technology (S&T) behind schedule due to staff availability and subcontract negotiations. Installation of modeling hardware has begun, SAC computer assembly is now complete and runs are being initiated, and staffing resources are being added where possible. S&T subcontract is now in place, and resources are being added to compensate for the late start.

#### Cost Variance Summary:

At the end of May, the ER Central Plateau scope is \$3.0M (+7.8%) under cost. The positive cost variance is attributed to utilizing Geoprobe technology deployment instrumentation in lieu of installing drive casings at U Pond, D&D at 233-S facility performed with less labor and material than planned, reduction in S&M survey frequency/requirements/equipment, and reduced RARA labor.