

**Meeting Minutes  
Tri-Party Agreement Milestone Review  
December 17, 2002**

**0058906**

Approval: *Michael A. Wilson* Date: 1/28/03  
**Michael A. Wilson** (B5-18)  
*Ecology IAMIT Representative*

Approval: *W. Wade Ballard for WWS* Date: 1/28/03  
**W. Wade Ballard** (A5-12)  
*RL IAMIT Representative*

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

Approval: *Nick Ceto* Date: 1/28/03  
**Nick Ceto, Chairman**  
*EPA IAMIT Representative*

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Minutes Prepared by: \_\_\_\_\_  
 Approval: *Eileen Murphy-Fitch* Date: 1/28/03  
**Eileen Murphy-Fitch** (A1-14)  
*Fluor Hanford, Inc.*

**EDMC**

Aromi, E. S.	CHG	H6-63	Morrison, R. D.	FH	A1-14*
Bartus, D.	EPA	B5-58	Niles, K. S.	ODOE	
Bailor, T.	CTUIR		Piippo, R. E.	FH	A1-14
G. Berg	FH	L0-32*	Rodriguez, H. M.	RL	A5-15
Bilson, H. E.	RL	H0-12	Russell, W.	ORP	H6-60
Bowman, R. C.	FH	A1-14	Sands, J. P.	RL	A3-04
Buxbaum, M.	FH	B3-53	Schepens, R. J.	RL	H6-60
Burandt, M. E.	ORP	H6-60	Skinnarland, E. R.	Ecology	B5-18
Chaloupka, A.	BHI	H0-14	Sobczyk, S.	NezPerce	
Cox, J.	CTUIR		Stanley, R.	Ecology	Lacey*
Cusack, L.	Ecology	B5-18*	Thomson, E. K.	FH	H5-20
Dagan, E. B.	RL	A5-15	VanLeuven, D. B.	FH	H5-20
Erickson, T.	FH	L1-02	Vu, D.	FH	L1-05*
Gay, R.	CTUIR		Walsh, J. L.	BHI	H0-11
Goodenough, J.	DOE	A3-04	Wilson, M. A.	Ecology	B5-18
Hebdon, J. B.	RL	A5-58	Wintczak, T. M.	BHI	H0-09
Henry, G.	ODOE		Yerxa, J. K.	RL	A5-15
Hertzal, J. S.	FH	A1-14	<b>Administrative Record</b>	<b>EDMC</b>	<b>H6-08*</b>
Hughes, M. C.	BHI	H0-04	<i>*w/Attachments</i>		
Jim, R.	Yakama*				
LaRue, D. N.	BHI	H0-11			
Mattlin, E. M.	RL	A5-15*			

**Tri-Party Agreement Milestone Review  
December 17, 2002**

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**Complete Remedial Actions (River Corridor Project portion of M-016)**

Start: 10:01 a.m.

End: 10:19 a.m.

FY 2003 milestones will be completed ahead of schedule. Highlights include:

- ✓ Significant reduction in the OSHA lost workday cases
- ✓ Accelerated mobilization activities in the 100 K Area; remedial actions will begin mid-December 2002
- ✓ Significant progress made in the 100 N Area trench and crib remediation in spite of high contamination levels and additional plumes encountered (150,000 tons)
- ✓ Completed excavation, confirmation sampling, and the draft CVP for the 116-N-3 crib/trench
- ✓ Completed 300 Area Uranium Leach/Kd Study Laboratory testing and issued a draft report for regulatory review

**Issues:**

**100 N Area Remediation:** Results of residual radioactivity (RESRAD) modeling performed for the 116-N-1 Crib and Trench indicate 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:** An Explanation of Significant Difference (ESD) was prepared to address the RAO issues and was submitted to the regulators in November and presented to the Hanford Advisory Board (HAB) River and Plateau Committee on November 14, 2002. Several concerns were raised by the HAB Committee focused on groundwater issues. The ESD will be revised.

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

**Complete Disposition of Surplus Reactors (M-093)**

Start: 10:19 a.m.

End: 10:24 a.m.

All FY 2003 Reactor Interim Safe Storage (ISS) Tri-Party Agreement milestones will be completed on or ahead of schedule.

RCP Contract award is projected February 2003. Further delay may impact the completion date for Tri-Party Agreement Milestones M-016-63 and M-094-01.

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

**Fast Flux Test Facility (Tri-Party Agreement Milestone M-081)**

Start 10:24 a.m.

End: 10:31 a.m.

Work continues on the response to comments document (document is ~65 percent complete). The affect of the FFTF lawsuit is unknown at this time. On November 8, 2002, the Federal Court ordered RL to cease and desist any activities that would impact successful restart of FFTF. The court hearing is scheduled for February 25, 2002. If the washing of green fuel is not initiated by April 3, 2003, a day-to-day slip will be incurred.

**324 Building Closure of Mixed Waste (MW) Units (Tri-Party Agreement Milestone M-089)**

Start: 10:31 a.m.

End: 10:39 a.m.

Closure activities continue within budget and on schedule. Delays to the Hanford Solid Waste-Environmental Impact Statement (HSW-EIS) could potentially impact waste designated for the burial grounds due to lack of storage capacity. No significant issues/concerns resulting in follow-on action were identified during the presentation. Presentation attached.

**Facilities for Cs/Sr, Sodium and SCW (River Corridor Project portion of Tri-Party Agreement Milestone M-092)**

Start: 10:39 a.m.

End: 10:46 a.m.

No further work is planned at the 327 Building until the new River Corridor Project Contract is awarded. No significant issue/concerns resulting in follow-on action were identified during the presentation. Presentation attached.

**Disposition of the 300 Area Surplus Facilities (Tri-Party Agreement Milestone M-094)**

Start: 10:46 a.m.

End: 10:50 a.m.

The Amendment to the existing 324 Building REC/HLV Closure Plan (Tri-Party Agreement Interim Milestone M-094-02) was approved by Ecology. Outyear M-094 series milestones will be transitioned to the Hanford River Corridor Contractor.

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

**AGENDA**  
**TRI-PARTY AGREEMENT MILESTONE REVIEW MEETING**

**River Corridor Milestone Review**

**December 17, 2002**

**10:00 a.m. – 11:00 a.m.**

**EPA Conference Room  
712 Swift Blvd, Suite 5**

**Chairperson: N. Ceto**

10:00 a.m.	Complete Remedial Actions*	M-016
	Disposition of Surplus Reactors	M-093
10:20 a.m.	Fast Flux Test Facility Transition	M-081
10:30 a.m.	324 Bldg, Closure of MW Units	M-089
	Facilities for Cesium/Strontium, Sodium, and SCW*	M-092
	300 Area Surplus Facilities	M-094
10:55 a.m.	Adjourn	

\*Only the River Corridor Milestones under M-016 and M-092 series milestones will be discussed.

ATTENDEES

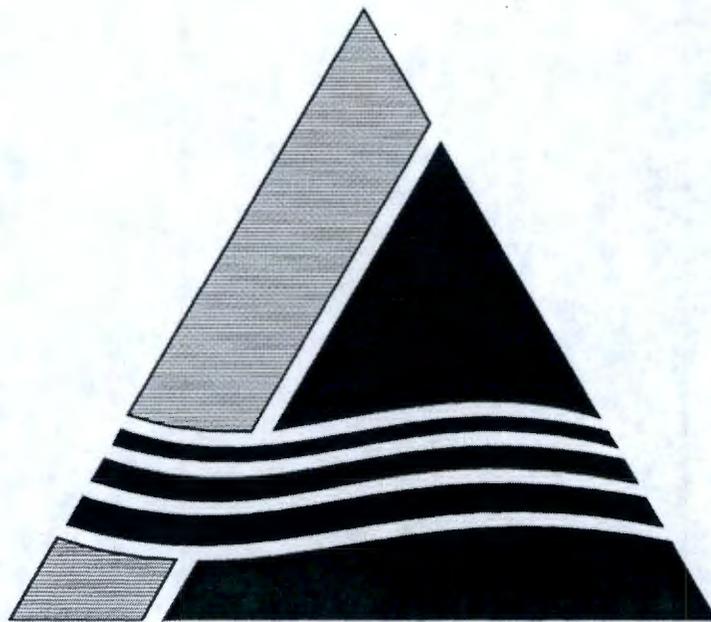
River Corridor Project  
 Tri-Party Agreement Milestone Review  
 December 17, 2002

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>	<u>ATTACHMENTS</u>
JEFF HERTZEL	FH - TPAI		
Tom Wintczak	BHI		
Mike C. Hughes	BHI		
Owan Robertson	DOE-RL		
Jim Goodenough	DOE-AMRC		
NICK Ceto	EPA		
Rick Bond	Ecology		
Dennis Faulk	EPA		
Joel Heddon	DOE-RL		
Laura Cisack	ecology		✓
MIKE WILSON	ECY		
John Price	ECY		
DAVE EVANS	DOE-RL		
JON YERXA	DOE-RL		
ROB BIRD	FH/TPAI		
Ellen Dagan	DOE-RL		
DEENA KAPUR	BHI		
Melinda Brown	EcY		✓
JANE HEDGECOCK	ECY		
Jeanne Wallace	Ecology		✓
Red Almqvist	DOE/RL		
AL Farabee	DOE-RL		

Richland Environmental Restoration Project

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# TPA Quarterly Review



*Tri-Party Agreement*

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

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December 17, 2002

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### **RIVER CORRIDOR**

- River Corridor FY02 Milestone Status
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- River Corridor Project Status / Accomplishments
- River Corridor Issues
- River Corridor FY02 PBS Performance Summary
- River Corridor FY03 PBS Performance Summary

### **INTEGRATION ISSUES**

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

*Status as of: September 30, 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	06/27/2002(A)	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>8</b>	<b>1</b>	<b>0</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.

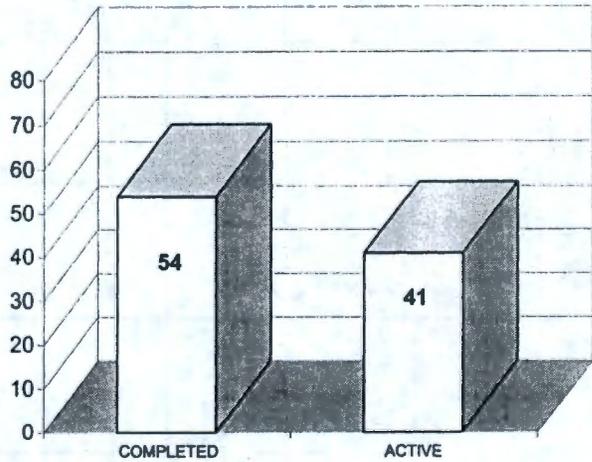
**ENVIRONMENTAL RESTORATION PROJECT**  
**RIVER CORRIDOR**  
**FY 2003 TPA MILESTONE SUMMARY**  
(Major & Interim Milestones)

*Status as of: November 30, 2002*

PBS	Milestone	Title	Compliance Date	Forecast/ Actual Date	Completed		Forecast			Unrecoverable	Deleted
					Ahead Schedule	On Schedule	Ahead Schedule	On Schedule	Behind Schedule		
RC01	M-16-10A	Initiate Remedial Action in the 100-KR-1 Operable Unit	08/01/2003	12/10/2002			X				
RC01	M-93-16	Complete 105-DR Reactor Interim Safe Storage	09/30/2003	01/31/2003			X				
<b>Total FY 2003 ER River Corridor TPA Milestones</b>			<b>2</b>		<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**ENVIRONMENTAL RESTORATION PROJECT**

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



	Compliance Due Date	Total Active @ 11/2002	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)	<b>26</b>	M-16-10A	08/01/03	M-16-49	12/31/08
			M-16-63	11/30/03	M-16-56	12/31/08
			M-16-03H	12/31/03	M-16-61	12/31/08
			M-16-26E	09/30/04	M-16-52	07/31/09
			M-16-13B	10/29/04	M-16-64	09/30/10
			M-16-26F	02/28/05	M-16-51	12/31/10
			M-16-48	07/31/05	M-16-47	12/31/11
			M-16-65	08/30/05	M-16-53	12/31/12
			M-16-46	07/31/06	M-16-55	12/31/12
			M-16-45	12/31/06	M-16-62	12/31/12
			M-16-60	12/31/06	M-16-00A	12/31/12
			M-16-50	07/31/07	M-16-00B	09/30/18
			M-16-54	07/31/08	M-16-03I	TBD
			<b>M-93-00</b> Reactors on River Final Disposition	<b>TBD</b> (M-93-00)	<b>11</b>	M-93-16
M-93-11	09/30/04	M-93-19				09/30/09
M-93-17	12/31/04	M-93-22				09/30/11
M-93-25	09/30/05	M-93-20				09/30/12
M-93-18	12/31/05	M-93-00				TBD
M-93-23	07/31/06					
<b>M-94-00</b> 300 Area Surplus Facilities Disposition	<b>9/30/2018</b> (M-94-00)	<b>4</b>	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>41</b>	<b>0 --- MILESTONES COMPLETED IN FY03 (C)</b>			

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

100 AREA REMEDIAL ACTION	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							
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100 B/C AREA																																																
100 D AREA																																																
100 F AREA																																																
100 H AREA																																																
100 K AREA																																																
100 N AREA																																																
100-IU-2 / 100-IU-6																																																
100 COMMON																																																

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

Richland Environmental Restoration Project

TPA MILESTONE SUMMARY SCHEDULE -- RIVER CORRIDOR

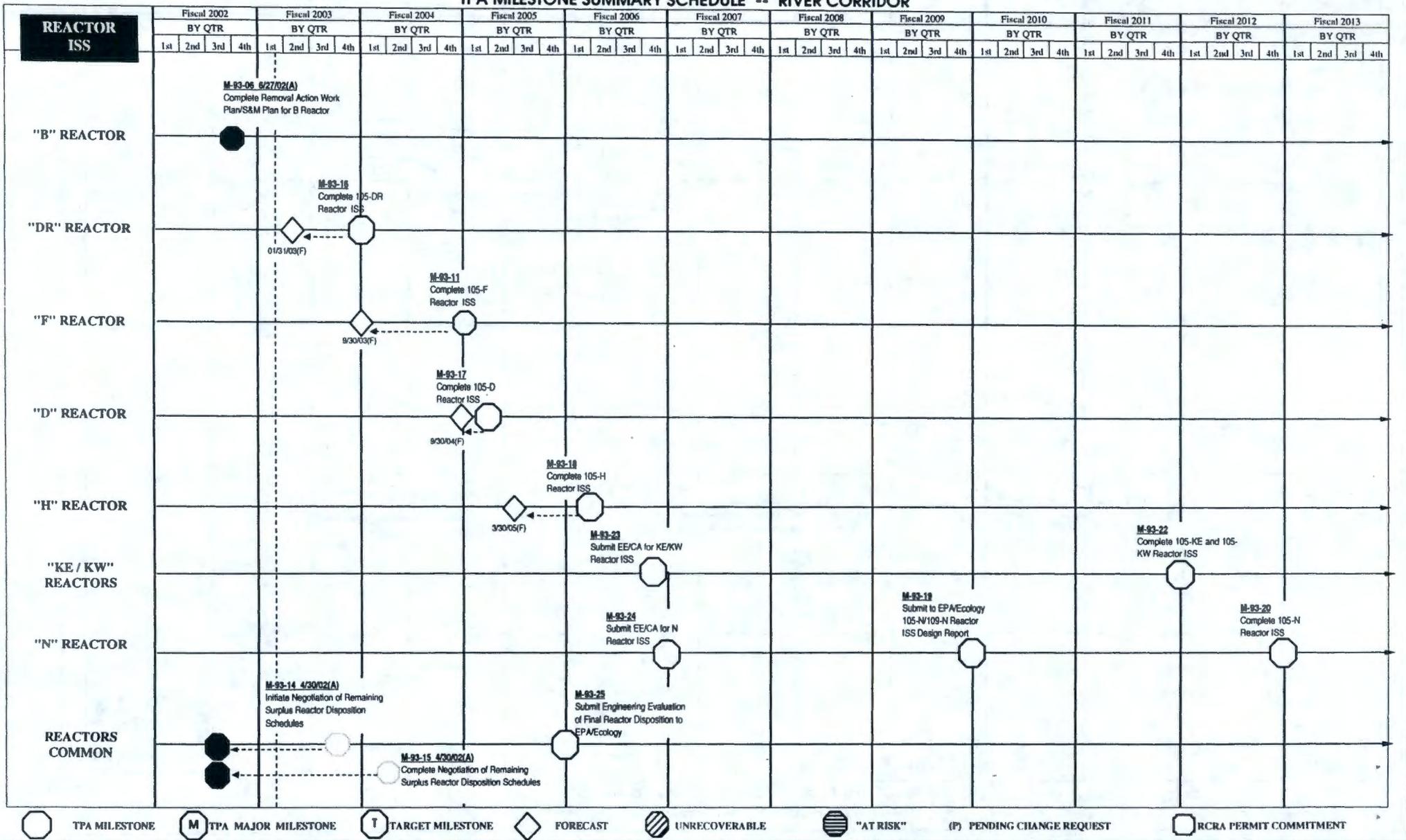
300 AREA REMEDIAL ACTION / FACILITIES	Fiscal 2002				Fiscal 2003				Fiscal 2004				Fiscal 2005				Fiscal 2006				Fiscal 2007				Fiscal 2008				Fiscal 2009				Fiscal 2010				Fiscal 2011				Fiscal 2012				Fiscal 2013							
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TPA MILESTONE   
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 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-94-00 - 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



○ TPA MILESTONE    M TPA MAJOR MILESTONE    T TARGET MILESTONE    ◇ FORECAST    ▨ UNRECOVERABLE    ● "AT RISK"    (P) PENDING CHANGE REQUEST    □ RCRA PERMIT COMMITMENT

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

**ERC RIVER CORRIDOR TPA CHANGE REQUESTS (September - November 2002)**

There were no ERC River Corridor change requests approved during September - November 2002.

## ERC RIVER CORRIDOR PROJECT ACCOMPLISHMENTS

FY02 Hanford Site environmental restoration accomplishments are noted below, along with significant FY03 October/November accomplishments.

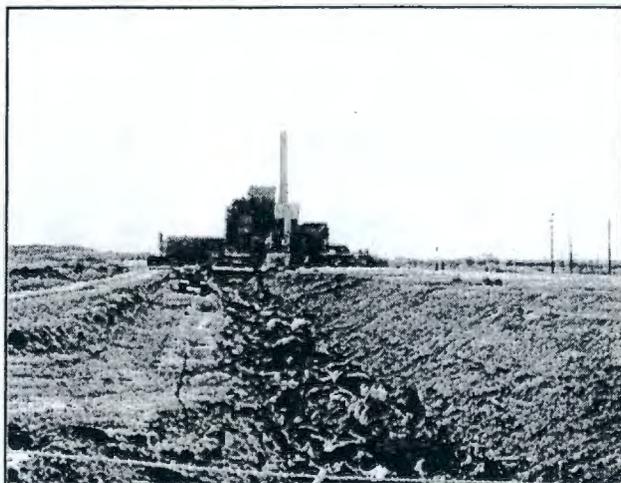
### General

The ERC team reached one million manhours without a lost workday injury on January 4, 2002. This was the fifth time the million-hour mark was achieved since the ER Project was formed in July 1994.

OSHA lost workday cases decreased by 40% from FY01.

All planned FY02 TPA milestones were completed, including three additional outyear milestones. A total of 16 TPA milestones were achieved (15 ahead of schedule; 1 on schedule).

All ERC 100 Area groundwater remediation scope, along with all ERC 200 Area scope (remedial action, groundwater management and vadose zone, surveillance and maintenance, and 233-S Plutonium Concentration Facility) was transitioned to Fluor Hanford on June 30 as part of the RL-directed Central Plateau transition.



Breaking Up B Reactor Effluent Pipelines

### Remedial Action (M-16-10A, M-16-03H)

Excavation of 12 waste sites was completed in the 100 Area during FY02 (10 sites were planned). During FY03 (through November), excavation of 4 waste sites in the 100 F Area have been completed.

20 cleanup verification packages (CVPs) were completed during FY02 (19 packages were planned).

Revegetation tasks were completed at remediated liquid waste sites in 100 H Area and at the J.A. Jones and 600-23 waste sites.

Using field screening techniques, approximately 309,000 tons of soil were left in place or stockpiled for use as backfill, exceeding FY02 waste minimization goals by 34%.

During FY02, approximately 6,600 feet of contaminated pipeline were removed from the 100 B/C Area and disposed in ERDF. Backfill operations were also completed for the three outfall structures.

Mobilization activities were accelerated in the 100 K Area during FY02. Remediation operations are planned to begin by mid December.

100 N Area trench and crib remediation showed significant progress in spite of high contamination levels and additional plumes encountered (150,000 tons). In completing the 116-N-1 trench cover panel/girders demolition and size reduction activities, personnel exposure rates were approximately 30% lower than planned due to incorporating key ALARA practices. Excavation, confirmation sampling, and the draft CVP for 116-N-3 crib/trench were also completed during FY02.



Excavating LDR Soil at 618-4 Burial Ground

The 618-4 Burial Ground drum excavation in the 300 Area was completed in August. A total of 786 drums that contained depleted uranium waste (oxide powder or chips immersed in oil) were excavated from the burial ground. 558 drums were sent to the ERDF staging area, and 228 drums were disposed in ERDF.

The 300 Area uranium leach/Kd laboratory testing was completed. A draft report was issued in September for regulatory and independent technical expert review.

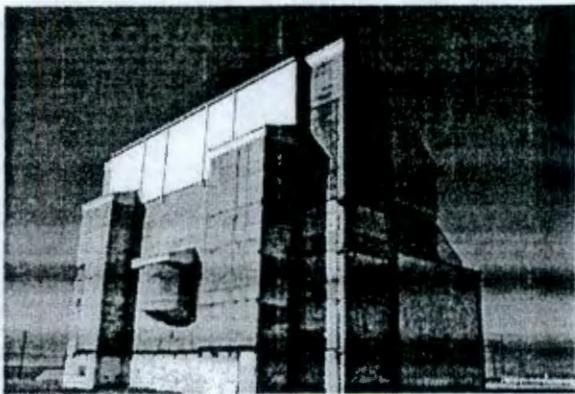
## ERC RIVER CORRIDOR PROJECT ACCOMPLISHMENTS

Remediation activities were initiated at the 300 Area 618-5 Burial Ground on October 1.

During FY02, nearly 665,000 tons of contaminated waste were disposed in ERDF, which met FY02 stretch goals. During FY03, (through November), more than 110,000 tons of waste have been disposed. A total of 3.9 million tons of waste have been disposed in ERDF since operations began in July 1996.

### Reactor ISS (M-93-11, M-93-16, M-93-17, M-93-18)

The DR Reactor safe storage roof enclosure was successfully completed in September. The S&M Plan is planned for completion in January 2003.

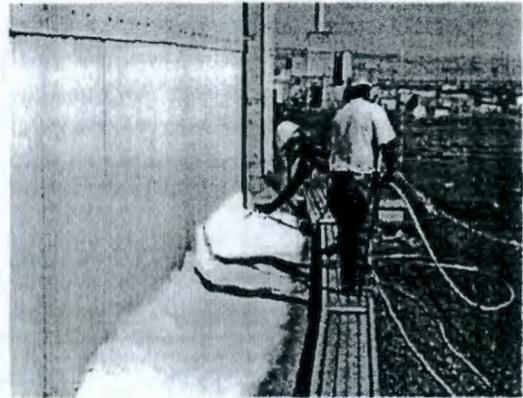


DR Reactor Safe Storage Roof Completed

During FY02, excavation of the F Reactor fuel storage basin (FSB) was completed, and all 17 spent fuel elements discovered during FSB excavation were safely packaged and transported to K Basin. Demolition of the FSB and transfer pits was completed during October. Debris shipments were completed on November 13, one week ahead of schedule. Through November, F Reactor interim safe storage (ISS) is 88% complete.

During FY02, all demolition operations were completed at D Reactor. One spent fuel element was found in the FSB and was placed in a safe configuration. Through November, D Reactor ISS is 85%.

The readiness assessment for Phase II activities in the H Reactor FSB was completed on October 3. Waste designation sampling of the H Reactor FSB lower fill/sludge was completed on November 11. Through November, H Reactor ISS is 41% complete.



KW Reactor Roof Repairs

### Surveillance and Maintenance

All FY02 planned Surveillance and Maintenance Project activities were completed on or ahead of schedule.

KW Reactor roof repairs were completed that were accelerated from FY03.

FY02 B Reactor hazard mitigation updates were completed.

The B Reactor Removal Action Work Plan was transmitted to the regulators.

100 Area asbestos abatement was completed.

During October, hazardous material warning signs were fabricated and posted along the Columbia River in support of the Hanford Site institutional controls plan.



River Corridor Warning Signs

## ERC RIVER CORRIDOR ISSUES

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- **100 N Area Remediation:** Results of residual radioactivity (RESRAD) modeling performed 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:** An Explanation of Significant Difference (ESD) was prepared to address the RAO issues. The ESD was submitted to RL and the regulators in November. The ESD was presented to the Hanford Advisory Board (HAB) River and Plateau Committee on November 14, 2002. Several concerns were raised by the HAB committee focused on groundwater issues. RL has requested BHI to prepare a revised ESD. A new schedule to complete the ESD was sent to RL on December 2, 2002.

# ERC RIVER CORRIDOR PERFORMANCE SUMMARY

## RIVER CORRIDOR

### FY 2002 ERC PBS PERFORMANCE SUMMARY FYTD SEPTEMBER 2002 (\$K)

	FY02 DWP BCWS	CURRENT BCWS	FYTD BCWS	FYTD BCWP	ACWP	FYTD SCHEDULE VARIANCE		FYTD COST VARIANCE		EAC
						\$	%	\$	%	
RC01	68,776	72,653	72,653	70,336	70,430	-2,317	-3.2%	-94	-0.1%	72,780
RC02	9,444	10,074	10,074	9,381	9,376	-693	-6.9%	5	0.1%	10,091
RC05	24,259	28,798	28,798	27,757	27,701	-1,041	-3.6%	56	0.2%	28,751
<b>RCR-Subtotal</b>	<b>102,479</b>	<b>111,525</b>	<b>111,525</b>	<b>107,474</b>	<b>107,507</b>	<b>-4,051</b>	<b>-3.6%</b>	<b>-33</b>	<b>0.0%</b>	<b>111,622</b>
SC01	71	79	79	77	53	-2	-2.5%	24	31.2%	56
<b>SS-Subtotal</b>	<b>71</b>	<b>79</b>	<b>79</b>	<b>77</b>	<b>53</b>	<b>-2</b>	<b>-2.5%</b>	<b>24</b>	<b>31.2%</b>	<b>56</b>
<b>ERC TOTAL</b>	<b>102,550</b>	<b>111,604</b>	<b>111,604</b>	<b>107,551</b>	<b>107,560</b>	<b>-4,053</b>	<b>-3.6%</b>	<b>-9</b>	<b>0.0%</b>	<b>111,678</b>

#### Schedule Variance Summary:

At the end of FY02, the ER Project ended with a \$4.1M (-3.6%) negative schedule variance. The schedule variance was attributed to 618-4 Burial Ground closeout due to land disposal restricted material treatment, and planned carryover scope including 116-N-1 pipeline, plume, and crib remediation and final performance fee payments. Excluding planned carryover scope, FY02 negative schedule variance was \$1.4M (-1.3%).

#### Cost Variance Summary:

At the end of FY02, the ER Project had performed \$107.6M worth of work, for the same amount of cost.

# ERC RIVER CORRIDOR PERFORMANCE SUMMARY

## RIVER CORRIDOR

### FY 2003 ERC PBS PERFORMANCE SUMMARY FYTD NOVEMBER 2002 (\$K)

	FY03 DWP CURRENT		FYTD			FYTD SCHEDULE VARIANCE			FYTD COST VARIANCE			EAC
	BCWS	BCWS	BCWS	BCWP	ACWP	\$	%	SPI	\$	%	CPI	
RC01	65,900	67,412	10,846	10,595	9,761	-251	-2.3%	0.98	834	7.9%	1.09	66,852
RC02	12,608	13,068	1,631	3,004	2,142	1,373	84.2%	1.84	862	28.7%	1.40	12,769
RC05	32,855	33,440	5,182	5,580	4,983	398	7.7%	1.08	597	10.7%	1.12	32,897
<b>RCR-Subtotal</b>	<b>111,363</b>	<b>113,920</b>	<b>17,659</b>	<b>19,179</b>	<b>16,886</b>	<b>1,520</b>	<b>8.6%</b>	<b>1.09</b>	<b>2,293</b>	<b>12.0%</b>	<b>1.14</b>	<b>112,518</b>
SC01	100	99	6	6	4	0	0.0%	1.00	2	33.3%	1.50	
<b>SS-Subtotal</b>	<b>100</b>	<b>99</b>	<b>6</b>	<b>6</b>	<b>4</b>	<b>0</b>	<b>0.0%</b>	<b>1.00</b>	<b>2</b>	<b>33.3%</b>	<b>1.50</b>	<b>97</b>
<b>ERC TOTAL</b>	<b>111,463</b>	<b>114,019</b>	<b>17,665</b>	<b>19,185</b>	<b>16,890</b>	<b>1,520</b>	<b>8.6%</b>	<b>1.09</b>	<b>2,295</b>	<b>12.0%</b>	<b>1.14</b>	<b>112,615</b>

#### Schedule Variance Summary:

Through November, the ER Project is \$1.5M (+8.6%) ahead of schedule. The positive schedule variance is attributed to the acceleration of the 618-5 Burial Ground remediation operations two months ahead of schedule.

#### Cost Variance Summary:

At the end of November, the ER Project had performed \$19.2M worth of work, at a cost of \$16.9M. This results in a favorable cost variance of \$2.3M (+12%). The positive cost variance is attributed to overlapping the 618-4 and 618-5 Burial Ground remediation operations and savings on the F Reactor fuel storage basin floor removal.

## **INTEGRATION ISSUES**

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This section of the quarterly review discusses Central Plateau milestones and workscope that potentially affects River Corridor milestones. There is currently no identified impact of Central Plateau workscope that would delay the River Corridor milestones or workscope.

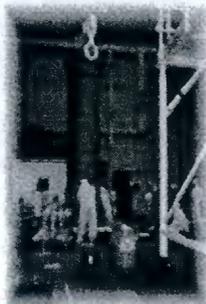


# *324 Facility Stabilization*

Milestone TPA-M-89

IAMIT Meeting December 17, 2002  
Tri-Party Agreement  
Quarterly Milestone Review Report

Ecology Program Manager – FW Bond  
DOE-RL Program Manager – JP Sands  
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**

- 324 Building Spent Nuclear Fuel (SNF) activities were completed within budget and on schedule



# *Program Manager's Assessment*

Since last quarterly review



## **Schedule – Excellent**

- Completed transfer of five Pressurized Water Reactor (PWR) Spent Nuclear Fuel (SNF) assemblies.
- Completed consolidation and removal of the remaining 324 Building SNF, including the Boiled Water Reactor (BWR) fuel assemblies stored in B-Cell and loose BWR and PWR pins stored in B and D cells.
- Completed packaging and shipment of SNF segments and fragments (identified in the Special Case Waste Project Management Plan).



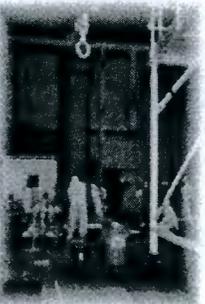
# *Significant Accomplishments*

Since last quarterly review



## **M-89-00**

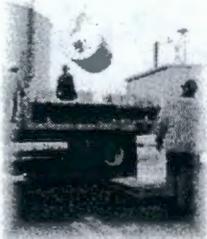
- Completed BWR fuel rod consolidation, handling, packaging and shipment activities ahead of schedule.
- Completed packaging and shipment of the Spent Fuel Segments and Fragments (identified in Special Case Waste Project Management Plan).





# *Significant Planned Actions*

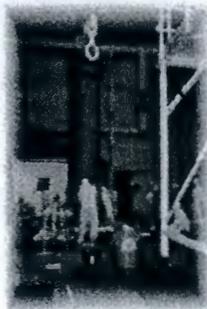
Next three months

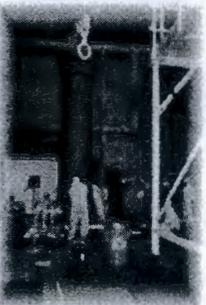
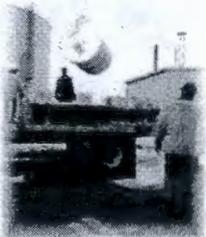


**M-89-00**



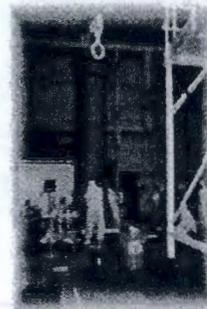
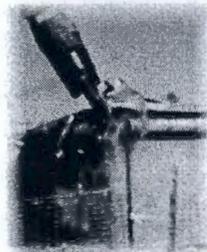
- Continue SNF support equipment size reduction activities.
- Initiate removal of SNF racks from B-Cell to provide access for removal of any inaccessible debris.





## *Project Summary*

- Closure activities are continuing: Transfer of 324 Building Spent Nuclear Fuel (SNF) was completed on schedule. Removal of SNF and SNF racks from B-Cell will provide access for remaining floor debris/material and will facilitate subsequent M-89-00 activities.
- Delays to approval of the HSW-EIS could potentially impact waste destined for the burial grounds due to lack of storage capacity. The current path forward for disposition waste from the 324 building will be through CERCLA, with disposal occurring at ERDF. The ERDF is covered by a ROD and will not be impacted by delays to the HSW-EIS. EE/CAs that will be developed for 324 disposition activities will more accurately assess potential impacts to the 324 bldg. D&D schedule.



# *Nuclear Materials and Facility Stabilization*

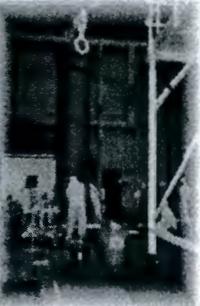
Milestone TPA-M-92

IAMIT Meeting December 17, 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	In ORP Review
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



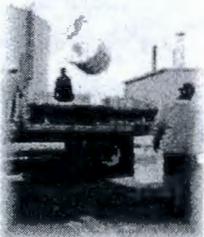
## *Milestone M-92-00 Interim Milestones and Target Dates (cont'd)*

<b>Milestone</b>	<b>Description</b>	<b>Target Date</b>	<b>Status</b>
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



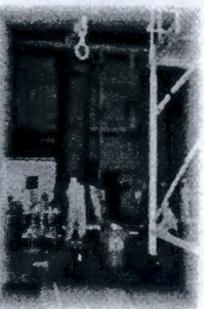
## **Safety - Excellent**

- 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 shipped to the offsite treatment facility
- The Cold Trap will be sent to ANL-W for recycle
- A Statement of Work (part of the RFP) for cleaning sodium residue from the two large tanks in 337B is in final signoff.

### ■ M-92-16

- The 327 Special Case Waste activities continued ahead of schedule.



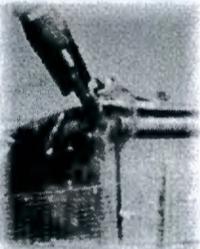
# *Significant Planned Actions*

*next three months*



## ■ M-92-09 and M-92-10

- Action on the change request to reinstate these milestones is on hold until the FFTF milestones have been resolved



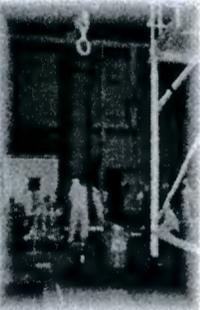
## ■ MX-92-06-T02

- If funded, revise existing Safety Analysis Report for Packaging (SARP) to allow on-site shipment of remaining 825 metric tons of fuel assembly.



## ■ MX-92-11-T01

- Establish contract 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 the 337B sodium cold trap to an offsite treatment center

## ■ M-92-16

- Ahead of schedule, no activities planned for any packaging and shipment of SCW items at the 327 facility.

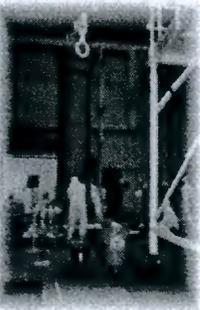


## *Project Summary*



- M-92-05: To be 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
- M-92-16: On schedule. No further work planned at 327 Building until the new River Corridor Contract is awarded





# Disposition of the 300 Area Surplus Facilities

Milestone TPA-M-094

IAMIT Meeting December 17, 2002  
Tri-Party Agreement  
Quarterly Milestone Review Report

Ecology Program Manager – FW Bond  
DOE-RL Program Manager – JP Sands

# Active Milestone Overview



Milestone	Description	Date
M-94-00	<p>Complete disposition of 300 Area Surplus Facilities</p> <p>Completion of facility disposition is defined as the completion of deactivation, decontamination, and decommissioning, and obtain EPA and/or Ecology approval of the appropriate project closeout documents</p>	9/30/2018
M-94-01	<p>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.</p>	11/30/03
M-94-02	<p>Submit an amendment to the existing 324 Building REC/HLV closure plan, DOE/RL-96-73, Rev 1, for Ecology review and approval. The amendment shall change the existing closure plan path from clean closure to a path where the high risk materials and wastes are removed from the facility followed by complete disposition.</p>	<p>7/30/02 (Amendment submitted to Ecology on 7/30/02)</p>
M-094-03	<p>Complete disposition of the following surplus facilities: 303M, 332, 333, 334, 334A, 3221, 3222, 3223, 3224, 3225, 324, 324B, 327</p>	9/30/2010
M-094-04	<p>Submit a schedule and Tri-Party Agreement milestones to complete disposition of the surplus facilities in the 300 Area and identify the 300 Area facilities and associated waste sites that will remain past the M-094-00 completion date.</p>	8/30/2005

# Project Summary



- Completed workshop meetings on the 324 Radiochemical Engineering Cells/High-Level Vault Closure Plan (REC/HLV) Amendment. Ecology comments were incorporated and the amendment was re-transmitted to Ecology on 12/11/02 for approval.
- Outyear M-094 series milestones will be transitioned following award of the Hanford River Corridor Contract.