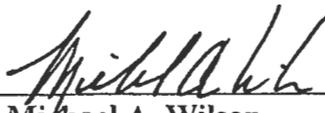


Meeting Minutes
 Tri-Party Agreement Milestone Review
 September 23, 2003

0060874

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

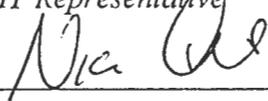
Date: 11/18/03

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

Date: 11/18/03

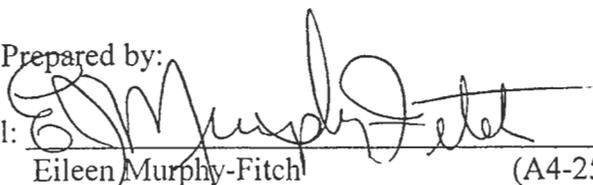
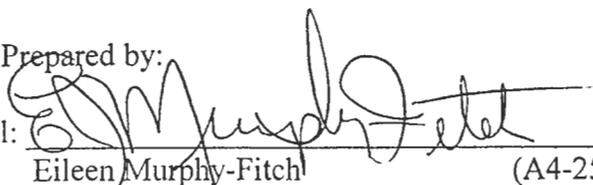
Approval: N/A
 Jim E. Rasmussen (H6-60)
 ORP IAMIT Representative

Date: _____

Approval: 
 Nick Ceto (B5-01)
 EPA IAMIT Representative

Date: 11/18/03

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Minutes Prepared by: 
 Approval: 
 Eileen Murphy-Fitch (A4-25)
 Fluor Hanford, Inc.

Date: 11/18/03

EDMC

Aromi, E. S.	CHG	H6-63	LaRue, D. N.	BHI	H0-11
Bartus, D.	EPA	B5-58	Mattlin, E. M.	RL	A5-15*
Berg, G. M.	FH	H7-27	Morrison, R. D.	FH	A4-25*
Bilson, H. E.	RL	A3-04	Niles, K. S.	OOE	
Bond, R.	Ecology	B5-18	Piippo, R. E.	FH	A4-25
Brown, M.	Ecology	B5-18	Price, J.	Ecology	A5-15*
Buxbaum, M.	FH	B3-53	Rodriguez, H. M.	RL	A5-15
Chapin, D.	RL	A3-04	Sands, J. P.	RL	A3-04
Cusack, L.	Ecology	B5-18*	Schepens, R. J.	RL	H6-60
Dagan, E. B.	RL	A5-15	Skinnarland, E. R.	Ecology	B5-18
Erickson, T.	FH	L1-02	Sobczyk, S.	NezPerce	
Farabee, A.	RL	A3-04	Templeton, D.	RL	A3-04
Gadbois, L.	EPA	B5-01	VanLeuven, D. B.	FH	H5-20
Gay, R.	CTUIR		Walsh, J. L.	BHI	H0-11
Goodenough, J.	RL	A3-04	Wilson, M. A.	Ecology	B5-18
Hebdon, J. B.	RL	A5-58	Wintczak, T. M.	BHI	H0-09
Hedges, J.	Ecology	B5-18	Administrative Record	EDMC	H6-08*
Henry, G.	OOE		*w/Attachments		
Hertzog, J. S.	FH	A4-25			
Hughes, M. C.	BHI	H0-04			
Jim, R.	Yakama*				

5800

Tri-Party Agreement Milestone Review

September 23, 2003



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

Start: 09:59 a.m.

End: 10:08 a.m.

Through August 2003, all ERC FY 2003 River Corridor Project (RCP) Tri-Party Agreement milestones were completed ahead of schedule. One FY 2004 was also completed ahead of schedule. Significant progress continues to be made on ERC/RCP activities/workscope. The completion date for Tri-Party Agreement Milestone M-016-63, *Submit a Schedule and Tri-Party Agreement 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 (300-109, 300-110, and 333 ESHWSA)*, was extended from November 30, 2003 to September 30, 2004 (Tri-Party Agreement Change Request M-016-03-02). The M-016-65 workscope, *Submit a Schedule and Tri-Party Agreement 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*, was incorporated into Tri-Party Agreement Milestone M-016-63 accelerating the completion date for this activity one year (Tri-Party Agreement Change Request M-016-03-02). The M-016 workscope was impacted by the delay in the RCP contract award.

The last drum shipment of uranium chips in-oil waste left the Site bound for Oak Ridge for waste treatment. The remedial action goal to complete 32 waste sites by June 30, 2003, was achieved. An additional 17 waste sites were also completed bringing the total to 49. Waste site acceleration was initiated in April. Disposal of the 618-4 and 618-5 Burial Grounds' contaminated stockpiles into ERDF was completed in August 2003. Confirmatory sampling activities for the two burial grounds were initiated. The construction and construction quality assurance contracts for ERDF Cells 5 and 6 were awarded and a notice to proceed was given on August 19, 2003, for mobilization and construction of the cells. F Reactor safe storage enclosure roof installation was completed August 21, 2003. The F Reactor Surveillance and Maintenance Plan was transmitted to RL for review.

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

FFTF Transition (Tri-Party Agreement Milestone M-081)

Start: 10:09 a.m.

End: 10:26 a.m.

Significant progress continues to be made in the key deactivation areas of fuel offload and sodium drain. All FY 2003 milestones were completed ahead of schedule. FFTF is sending green fuel to PFP for storage due to security requirements. Fuel will ultimately be sent to Savannah River once a method of shipment is determined. There are no shipping casks available/approved. RL is in the planning stage for the EIS. A draft RFP is on the web for closure of FFTF. Two possible scenarios are proposed – entombment (least costly) or removal (costly). RL intends to proceed with the RFP before the EIS. The end state for FFTF will not be known until the EIS is approved. A RCRA Procedural Closure Request was submitted to

Ecology in accordance with the Tri-Party Agreement. Ecology indicated that they are proceeding ahead with the closure request.

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

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

Start: 10:36 a.m.

End: 10:40 a.m.

The 300 Area is in a min-safe/min-activity status. Preventative/corrective maintenance and surveillance activities will be completed consistent with facility safety basis and regulatory requirements. Until the new River Corridor Project contract is awarded, no significant 324 Building Radiochemical Engineering Cells, High-Level Vault, Low-Level Vault, and associated areas mixed waste units closure activities are planned. Both the M-089 and M-094 milestone series will be aligned to the current/future 300 Area path forward.

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: 10:26 a.m.

End: 10:36 a.m.

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: 10:40 a.m.

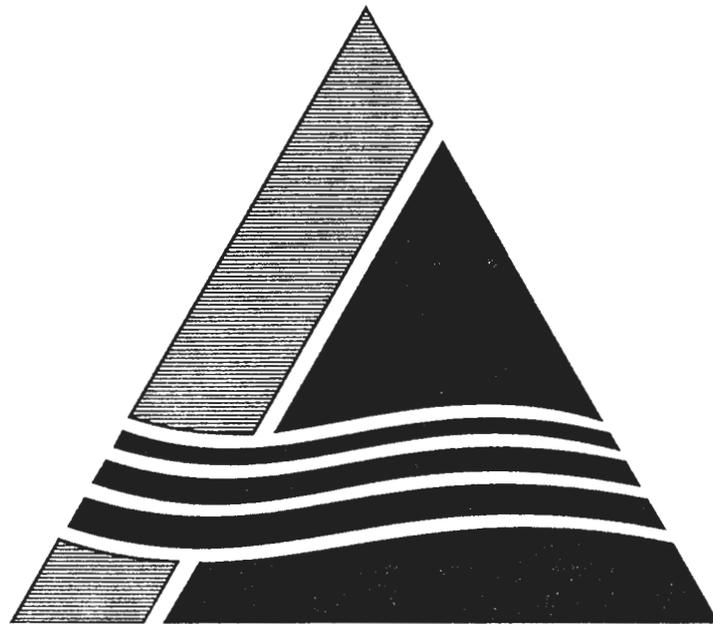
End: 10:43 a.m.

As noted in the RCP presentation, Tri-Party Agreement Interim Milestone M-094-01, *Submit a Schedule and Tri-Party Agreement Change Request to Complete Disposition of the Following Surplus Facilities: 300M, 332, 333, 334, 334A, 3221, 3222, 3223, 3224, 3225, 324, 324B, 327*, due date was extended from November 30, 2003 to September 30, 2004 (Tri-Party Agreement Change Request M-094-03-01). The M-094-04 workscope, *Submit a Schedule and Tri-Party Agreement Milestones to Complete Disposition of the Surplus Facilities in the 300 Area Facilities and Associated Waste Sites that Will Remain Past the M-094-04 Completion Date (9/30/2018)*, was incorporated into Tri-Party Agreement Milestone M-094-04-01 accelerating the completion date of this activity one year (Tri-Party Agreement Change Request M-094-03-01). The M-094 series of milestones were impacted by the delay the contract award for the River Corridor Project.

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

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

September 23, 2003

E0309053

ENVIRONMENTAL RESTORATION PROJECT

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- River Corridor Milestone Statistics
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- River Corridor Change Requests
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- River Corridor Issues
- River Corridor FY03 PBS Performance Summary

INTEGRATION ISSUES

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

Status as of: August 31, 2003

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-16-10A	Initiate Remedial Action in the 100-KR-1 Operable Unit	08/01/2003	12/11/2002 (A)	X						
RC01	M-93-16	Complete 105-DR Reactor Interim Safe Storage	09/30/2003	01/29/2003 (A)	X						
RC01	M-16-13B	Complete Remediation and Backfill of 16 Liquid Waste Sites and Process Effluent Pipelines in the 100-FR-1 and 100-FR-2 Operable Units as Defined in Remedial Design Report/Remedial Action Work Plan for the 100 Area	10/29/2004	05/20/2003 (A)	X						
Total FY 2003 ER River Corridor TPA Milestones			3		3	0	0	0	0	0	0

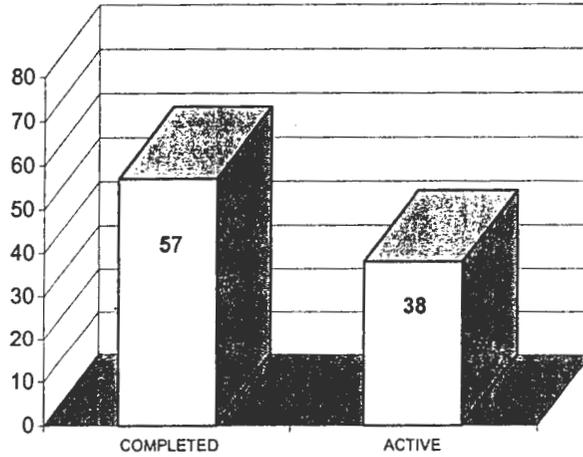
RIVER CORRIDOR
FY 2004 TPA MILESTONE SUMMARY
(Major & Interim Milestones)

PBS	Milestone	Title	Compliance Date	Forecast/ Actual Date	Completed		Forecast			Unrecov erable	Deleted
					Ahead Schedule	On Schedule	Ahead Schedule	On Schedule	Behind Schedule		
RC02	M-16-63*	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 (300-109, 300-110, and 333 ESHWSA)	11/30/2003							X	
RC02	M-94-01*	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	11/30/2003							X	
RC02	M-16-03H	Complete Remediation of Waste Sites in 300-FF-1 Operable Unit to Include Excavation, Verification, and Regrading, Including the 618-4 Burial Ground in Accordance with an Approved RDR/RAWP	06/30/2004					X			
RC01	M-16-26E	Complete Excavation and Removal of 100 B/C Process Effluent Pipelines	09/30/2004	09/30/2003			X				
RC01	M-93-11	Complete 105-F Reactor Interim Safe Storage	09/30/2004	12/31/2003			X				
Total FY 2004 ER River Corridor TPA Milestones			5		0	0	2	1	0	2	0

* RL prepared draft TPA change requests (CRs) and forwarded to the regulators on 8/15/03 for review/approval; CRs were approved on 9/5/03. Milestone dates were extended to 9/30/04.

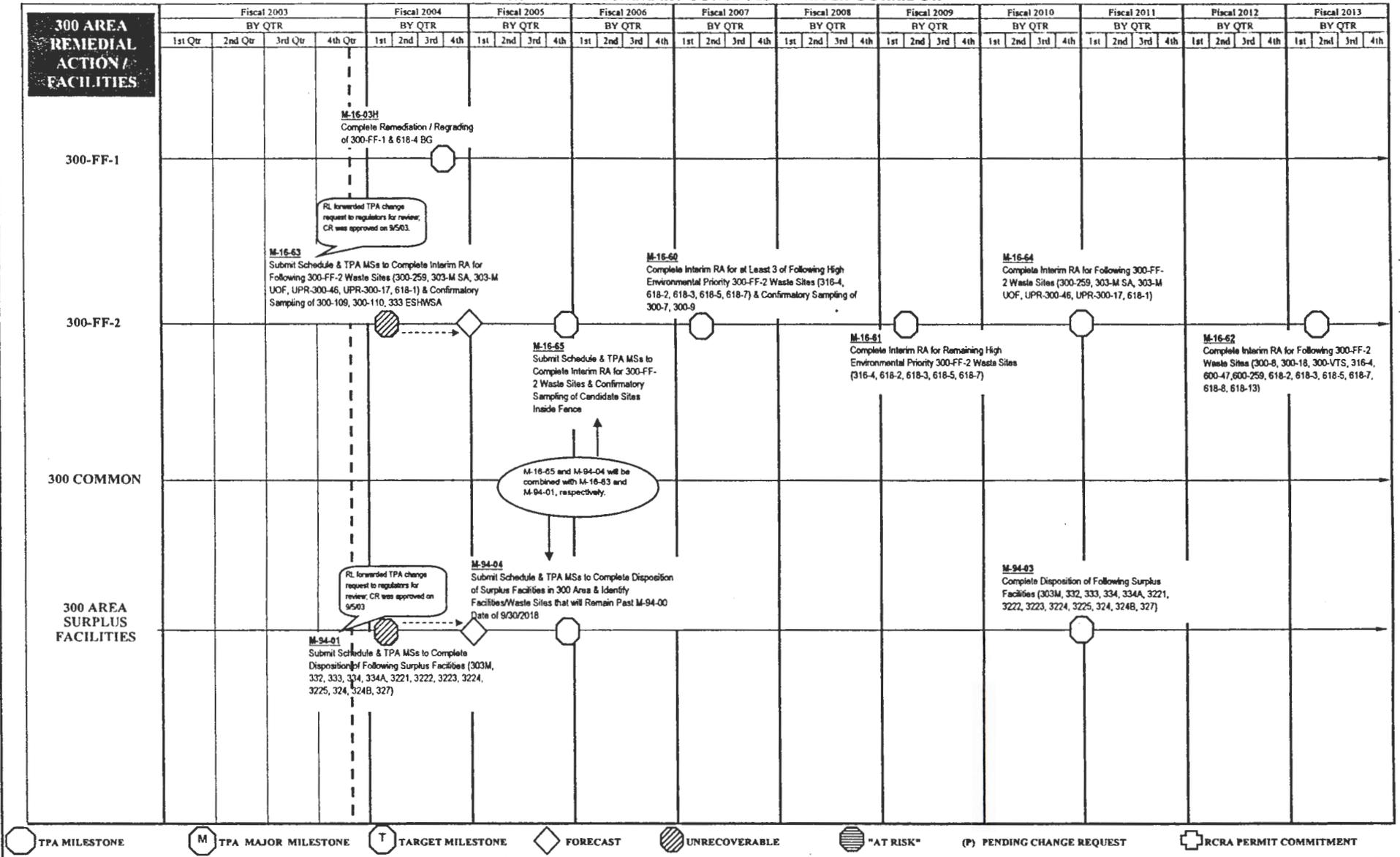
ENVIRONMENTAL RESTORATION PROJECT

River Corridor TPA Milestone Statistics (Major & Interim Milestones)



	Compliance Due Date	Total Active @ 08/2003	Milestone Number	Compliance Due Date	Milestone Number	Compliance Due Date			
M-16-00 Remedial Design / Remedial Action	9/30/2018 (M-16-00B)	24	<i>M-16-10A (C)</i>	<i>08/01/03</i>	M-16-49	12/31/08			
			M-16-63	11/30/03	M-16-56	12/31/08			
			M-16-03H	06/30/04	M-16-61	12/31/08			
			M-16-26E	09/30/04	M-16-52	07/31/09			
			<i>M-16-13B (C)</i>	<i>10/29/04</i>	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			
			M-93-00 Reactors on River Final Disposition	TBD (M-93-00)	10	<i>M-93-16 (C)</i>	<i>09/30/03</i>	M-93-24	09/30/06
						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								
M-94-00 300 Area Surplus Facilities Disposition	9/30/2018 (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					
TOTAL ACTIVE MILESTONES		38	3 --- MILESTONES COMPLETED IN FY03 (C)						

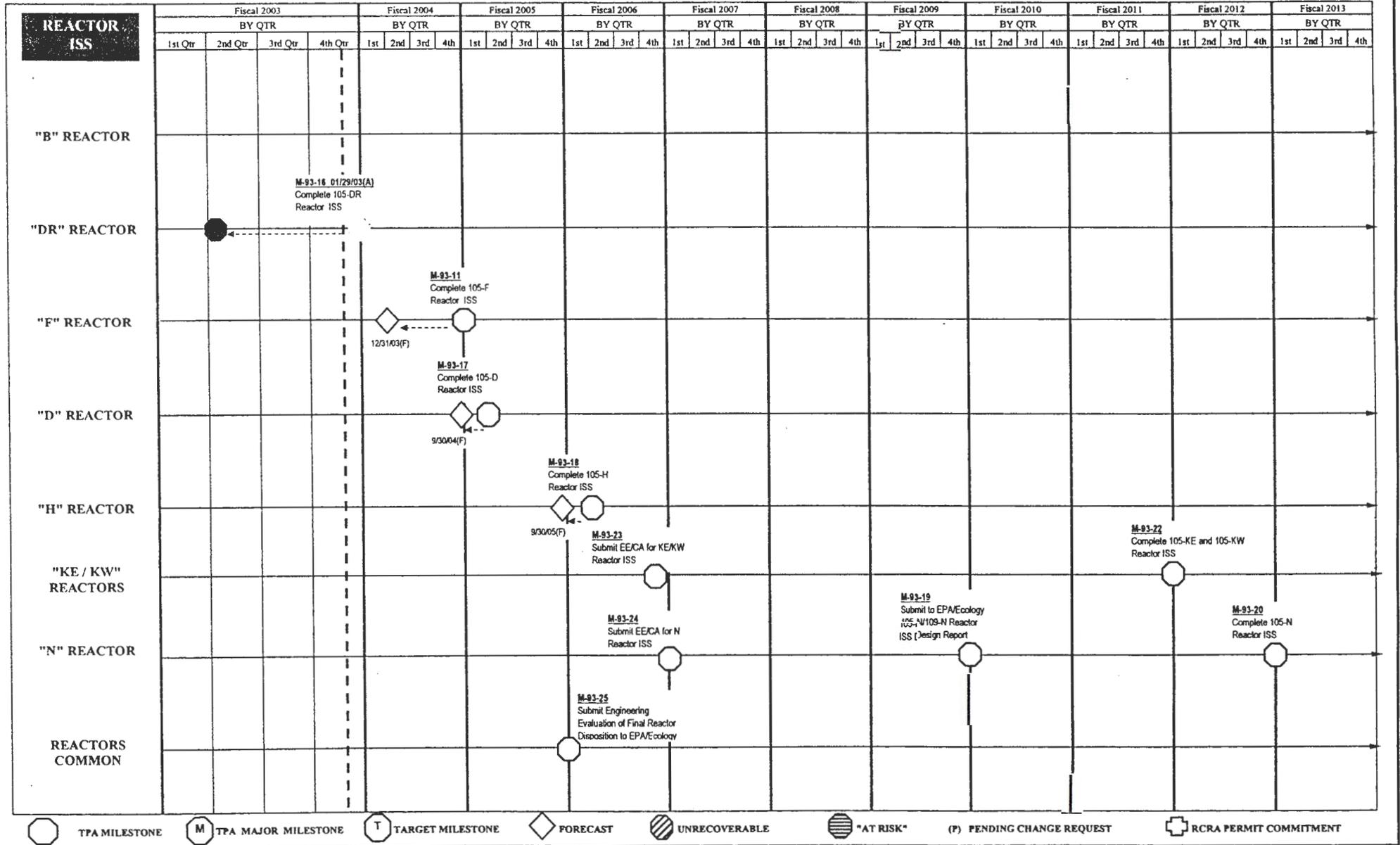
Richland Environmental Restoration Project
TPA MILESTONE SUMMARY SCHEDULE -- RIVER CORRIDOR



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



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

ERC RIVER CORRIDOR TPA CHANGE REQUESTS (June - August 2003)

There were no ERC River Corridor change requests approved during June - August 2003.

ERC RIVER CORRIDOR PROJECT ACCOMPLISHMENTS

Remedial Action (M-16-03H, M-16-26E, M-16-48)

Excavation of contaminated material from the effluent pipelines around C Reactor was completed in August. Characterization work on seven remaining sites in 100 B/C Area was also initiated.

Excavation was initiated at the 116-K-1 Crib on June 1. Relocation of a power line was required to allow access to effluent pipelines. Excavation of the 116-KW-3 Retention Basin is nearing completion.

During July, the 100 F Area Burial Grounds and Remaining Sites preliminary design and design reviews were completed. The 118-K-1 Burial Ground final design package was also completed.

100 N Area subcontractor closeout activities were initiated in July. The subcontractor completed extensive equipment decontamination prior to demobilizing.

The 100 N Area 116-N-1 Crib test excavation was completed on July 10. The radiological data received from this test will be used for crib remediation redesign. Work was also completed on an airborne trade-off study to analyze potential methods for excavating, handling, and packaging the crib material.

The remedial action goal to complete 32 waste sites by June 30 was achieved. An additional 17 waste sites were also completed. As of the end of June, closure documentation had been submitted to RL for 49 waste sites. Waste site acceleration was initiated in April.



618-4/5 Burial Grounds After Excavation

Disposal of the 618-4 and 618-5 Burial Grounds' contaminated stockpiles into ERDF was completed during August. Confirmatory sampling activities for the two burial grounds were initiated. Demobilization of all subcontractor equipment and facilities was completed on August 29.

The 300 Area regrading RFP was sent to potential bidders on August 29.

RL approved the FHC and ASA for the Remediation of Six 300-FF-2 Operable Unit Solid Waste Burial Grounds, with the exception of the 618-2 Burial Ground. The documentation is being modified to incorporate conditions described in RL's Safety Evaluation Report for these waste sites.

Drummed 183-H Solar Evaporation Basin waste shipments to ERDF commenced in July. Through August, more than 1,400 drums, of the estimated 12,300 total drums, had been shipped. The drummed waste has been stored at the Central Waste Complex awaiting final treatment and disposal.



Sampling Drummed Uranium Oxide Waste Prior to Treatment

Drums of uranium oxide waste (from the 618-4 Burial Ground) were sampled in preparation for treatment. Bench-scale testing of multiple treatment formulas is being conducted to determine the appropriate treatment mix that will immobilize metal contaminants and satisfy land disposal restrictions.

Through August, a total of 4,480,287 tons of waste have been disposed in ERDF since operations began in July 1996.

The construction and construction quality assurance (CQA) contracts for ERDF Cells 5 and 6 were awarded, and a Notice to Proceed was given on August 19 for mobilization and construction of the cells.

ERC RIVER CORRIDOR PROJECT ACCOMPLISHMENTS

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

Control rods from the 118-C-4 Horizontal Rod Storage Cave were transported to ERDF for encapsulation on June 4.

Loadout of demolition debris from the 117-DR Filter Building was completed on June 17. Variance samples were collected from both the shallow and deep zones of the filter building demolition site on August 5-6.

In June, the 100 N Area ancillary facilities Removal Action Work Plan was approved by RL and Ecology.



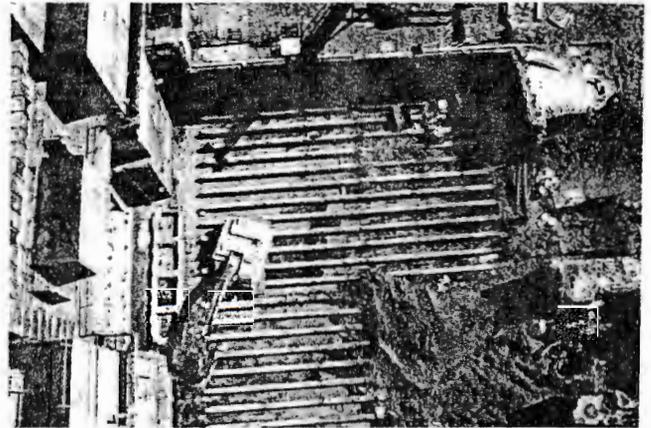
F Reactor Safe Storage Enclosure

F Reactor safe storage enclosure (SSE) roof installation was completed on August 21, which marks the completion of the physical activities for F Reactor interim safe storage (ISS) scope. Preparation of the S&M Plan has been initiated.

The kickoff meeting for the D Reactor SSE roof design was held on June 3. Backfill of the D Reactor fuel storage basin (FSB) was completed on June 23. Through August, ISS activities for D Reactor are 89% complete (90% completion planned by end of FY03).

The draft DR Reactor cleanup verification package was transmitted to RL and Ecology for review during August.

A night shift was initiated at H Reactor FSB on August 24 to expedite cleanout and to reduce the source of mud for mud dauber wasp nests. Through August, H Reactor ISS is 54% complete (56% completion planned by end of FY03).

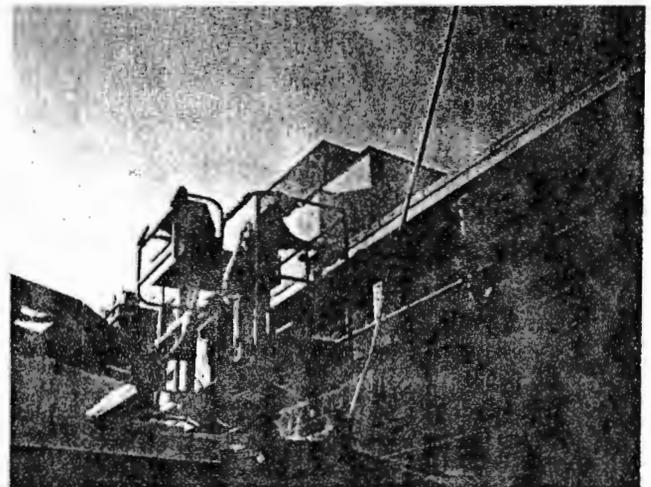


H Reactor FSB Cleanout

Surveillance and Maintenance

In June, a subcontract was awarded for the ventilation upgrade for B Reactor hazards mitigation. Work was initiated in July.

B Reactor storage room roof repair was completed in July. Repair of the KE Reactor roof was completed in August.



Repairing Flashing at B Reactor

B Reactor concrete block repairs were initiated in August.

General

Management reviews for the ERC FY04 Detailed Work Plan (DWP) were held on July 29 with RL, regulators, and BHI management. The DWP was approved by RL on September 12.

ERC RIVER CORRIDOR ISSUES

- **M-16-63 and M-94-01:** Tri-Party Agreement Milestone M-16-63, "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 (300-109, 300-110, and 333 ESHWSA)"; and Milestone M-94-01, "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" (both due November 30, 2003), are unrecoverable due to the delay in awarding the River Corridor contract.

Strategy/Status: RL prepared two draft change requests and forwarded them to the regulators on August 15 for review and approval. The change requests propose the two milestones be extended to September 30, 2004. Workscope will also be accelerated by 11 months for Milestones M-16-65 and M-94-04 by combining them with M-16-63 and M-94-01, respectively. The change requests were approved on September 5.

ERC RIVER CORRIDOR PERFORMANCE SUMMARY

RIVER CORRIDOR

FY 2003 ERC PBS PERFORMANCE SUMMARY

FYTD AUGUST 2003

(\$K)

	FY03 DWP BCWS	CURRENT BCWS	FYTD			FYTD SCHEDULE VARIANCE			FYTD COST VARIANCE			EAC
			BCWS	BCWP	ACWP	\$	%	SPI	\$	%	CPI	
RC01	65,900	70,742	63,886	63,417	59,895	-469	-0.7%	0.99	3,522	5.6%	1.06	67,053
RC02	12,608	13,114	12,244	12,068	10,200	-176	-1.4%	0.99	1,868	15.5%	1.18	11,314
RC05	32,855	37,027	31,288	30,924	28,803	-364	-1.2%	0.99	2,121	6.9%	1.07	34,695
<i>RCR-Subtotal</i>	111,363	120,883	107,418	106,409	98,898	-1,009	-0.9%	0.99	7,511	7.1%	1.08	113,062
SC01	100	97	81	76	50	-5	-6.2%	0.94	26	34.2%	1.52	
<i>SS-Subtotal</i>	100	97	81	76	50	-5	-6.2%	0.94	26	34.2%	1.52	72
ERC TOTAL	111,463	120,980	107,499	106,485	98,948	-1,014	-0.9%	0.99	7,537	7.1%	1.08	113,134

Schedule Variance Summary:

Through August, the ER Project is \$1.0M (-0.9%) behind schedule. The negative schedule variance is attributed to the late mobilization for ERDF Cells 5 and 6 expansion due to a contract award challenge, delay in a supply fan shipment for the B Reactor ventilation upgrade, and mud contamination issues at H Reactor FSB caused by mud dauber wasps; offset by the early completion of F Reactor SSE roof installation. The ERDF cell expansion mobilization and B Reactor ventilation upgrade activities have been initiated. A night shift has been started at the H Reactor FSB demolition project.

Cost Variance Summary:

At the end of August, the ER Project had performed \$106.5M worth of work, at a cost of \$98.9M. This results in a favorable cost variance of \$7.5M (+7.1%). The positive cost variance is attributed to consolidating common 618-4 and 618-5 Burial Ground remediation activities, less program management support to projects than planned, and prior-year rebill accounting adjustments that were realized in March.

INTEGRATION ISSUES

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

The Groundwater Project is directing evaluations that will support selection of the final remedial action for 100 N Area soil sites. These evaluations include an evaluation of impacts to aquatic and riparian ecoreceptors, an evaluation of the phytoremediation technology, and an evaluation of the apatite sequestration technology. All three evaluations will be completed in October 2004 or later, and are not expected to affect the volume or duration of soil excavation under the existing 100-NR-1 and 100-NR-1/100-NR-2 RODs. Therefore, there is currently no identified impact of Central Plateau workscope for 100 N Area milestones or workscope.

There is currently no other potential impact of Central Plateau workscope that would delay the River Corridor milestones or workscope.

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

**Tri-Party Agreement (TPA)
M-81-00 Series Milestones and
Related M-20-29B Milestone**

9/03 Status of FFTF Deactivation TPA M-81-00 Milestones and Related M-20-29B Milestone

Milestone	Milestone Description	Due Date	Status
M-81-00A	Complete FFTF Facility Transition and Initiate the Surveillance and Maintenance Phase	2/28/11	On Schedule
M-81-00-T01	Complete Reactor Defueling	9/30/95	Completed 4/19/95
M-81-00A-T02	Complete Transfer of Unirradiated Fuel to Secure Onsite Storage	3/31/09	On Schedule
M-81-00A-T03	Complete Transfer of Irradiated Fuel to Secure Onsite Storage	3/31/09	On Schedule
M-81-00A-T04	Complete Transfer of Special Fuel to DOE's Idaho National Engineering Laboratory for Consolidated Storage	3/31/09	On Schedule
M-81-00A-T05	Complete Auxiliary Plant Systems Shutdown	2/28/11	On Schedule
M-81-01	Initiate Sodium Storage Facility Construction	2/28/97	Completed 10/9/95
M-81-02	Complete Sodium Storage Facility Startup	7/31/98	Completed 1/17/97

9/03 Status of FFTF Deactivation TPA M-81-00 Milestones and Related M-20-29B Milestone (Continued)

Milestone	Milestone Description	Due Date	Status
M-81-10-T01	Submit Final Sodium Disposition Report	9/30/05	On Schedule
M-81-11	Submit FFTF End Point Criteria Document	8/31/05	On Schedule
M-81-12	Initiate FFTF Sodium Drain	6/30/03	Completed 4/7/03
M-81-13	Complete Reactor and Heat Transport System Sodium Drain	6/30/05	On Schedule
M-81-14-T01	Complete Fuel Storage Facility Sodium Drain	4/30/07	On Schedule
M-81-14-T02	Initiate Interim Decay Storage Vessel Sodium Drain	6/30/08	On Schedule
M-81-14	Complete FFTF Sodium Drain	9/30/09	On Schedule
M-81-15	Submit FFTF Surveillance and Maintenance Plan	6/30/10	On Schedule
M-20-29B	Submit Sodium Storage Facility and Sodium Reaction Facility Closure Plan or Request for Procedural Closure to Ecology as Defined in Agreement Section 6.3.3	6/30/03	Completed 6/12/03

Significant Accomplishments

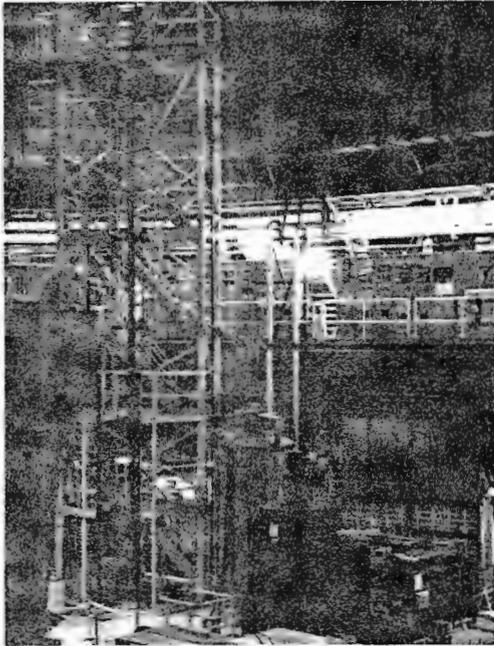
(9/03)

- **M-81-00A-T02, *Complete Transfer of Unirradiated Fuel* (Due: 3/31/09)**
 - Planning and Readiness Review completed for transfer of unirradiated fuel to the Plutonium Finishing Plant (PFP)
 - Two Interim Storage Casks (ISCs) have been loaded and transferred to secure onsite storage
- **M-81-00A-T03, *Complete Transfer of Irradiated Fuel* (Due: 3/31/09)**
 - Four ISCs loaded and stored at the 400 Area ISA
 - Major repair and recovery of the Bottom Loading Transfer Cask (BLTC) grapple drive completed
 - Contract awarded to TransNuclear, Inc. for fabrication of 22 ISCs
 - Preps began for special fuel (MFF-1) disassembly

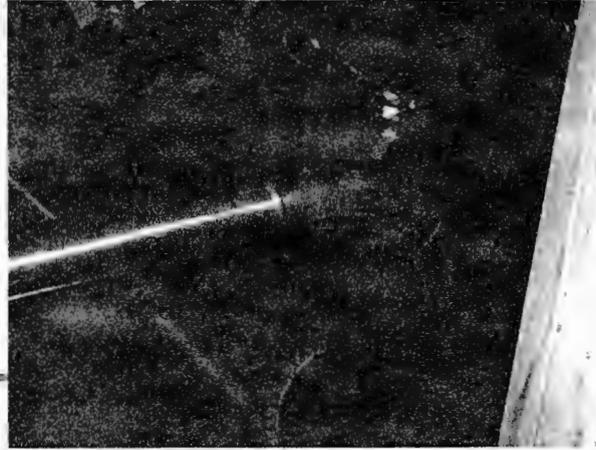
Significant Accomplishments

(9/03, Continued)

- **M-81-13, Complete Reactor and Heat Transport System Sodium Drain (Due: 6/30/05)**
 - Drain of the trapped sodium from the three Intermediate Heat Exchangers by insertion of dip tubes and pressure transfer was successfully completed (~ 6,500 gallons drained)
 - Design of the reactor vessel drain pump is complete
- **M-20-29B, Submit Sodium Storage Facility & Sodium Reaction Facility Closure Request (Due: 6/30/03)**
 - On 6/12/03 a RCRA procedural closure request was submitted by RL to Ecology for the Sodium Storage Facility/Sodium Reaction Facility (per Section 6.3.3 of the TPA). In their response, Ecology has indicated that they are proceeding ahead with this closure request per their 9/17/03 letter to RL



Dip tube

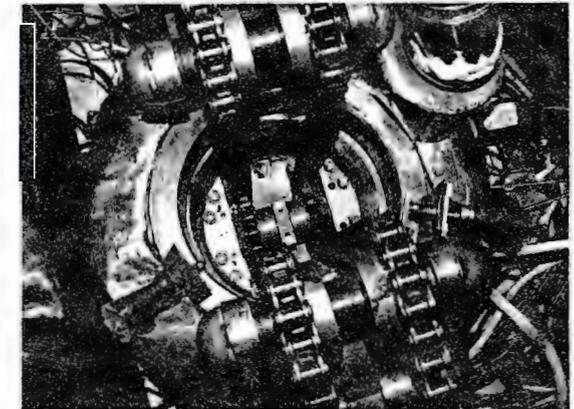
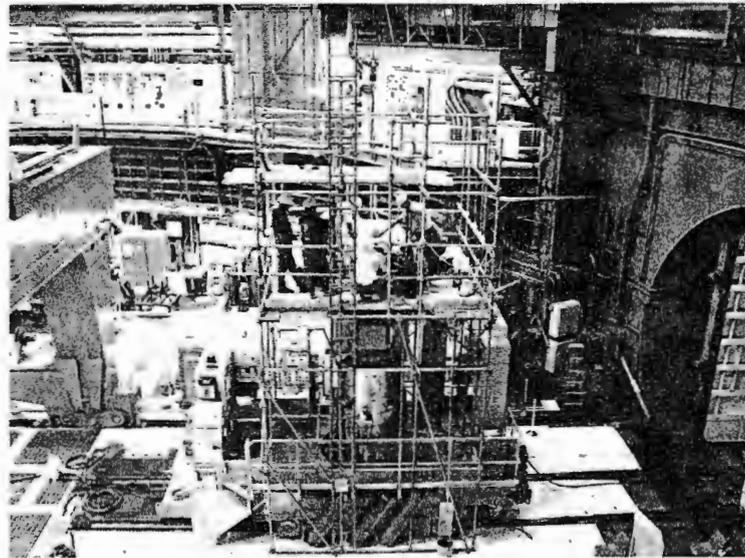
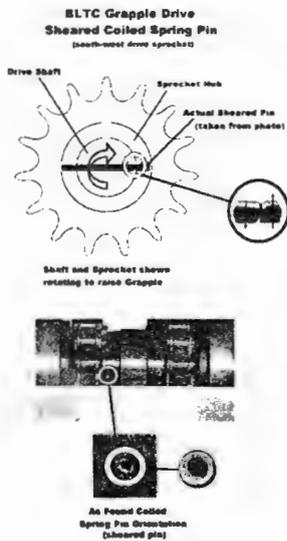


After insulation removal



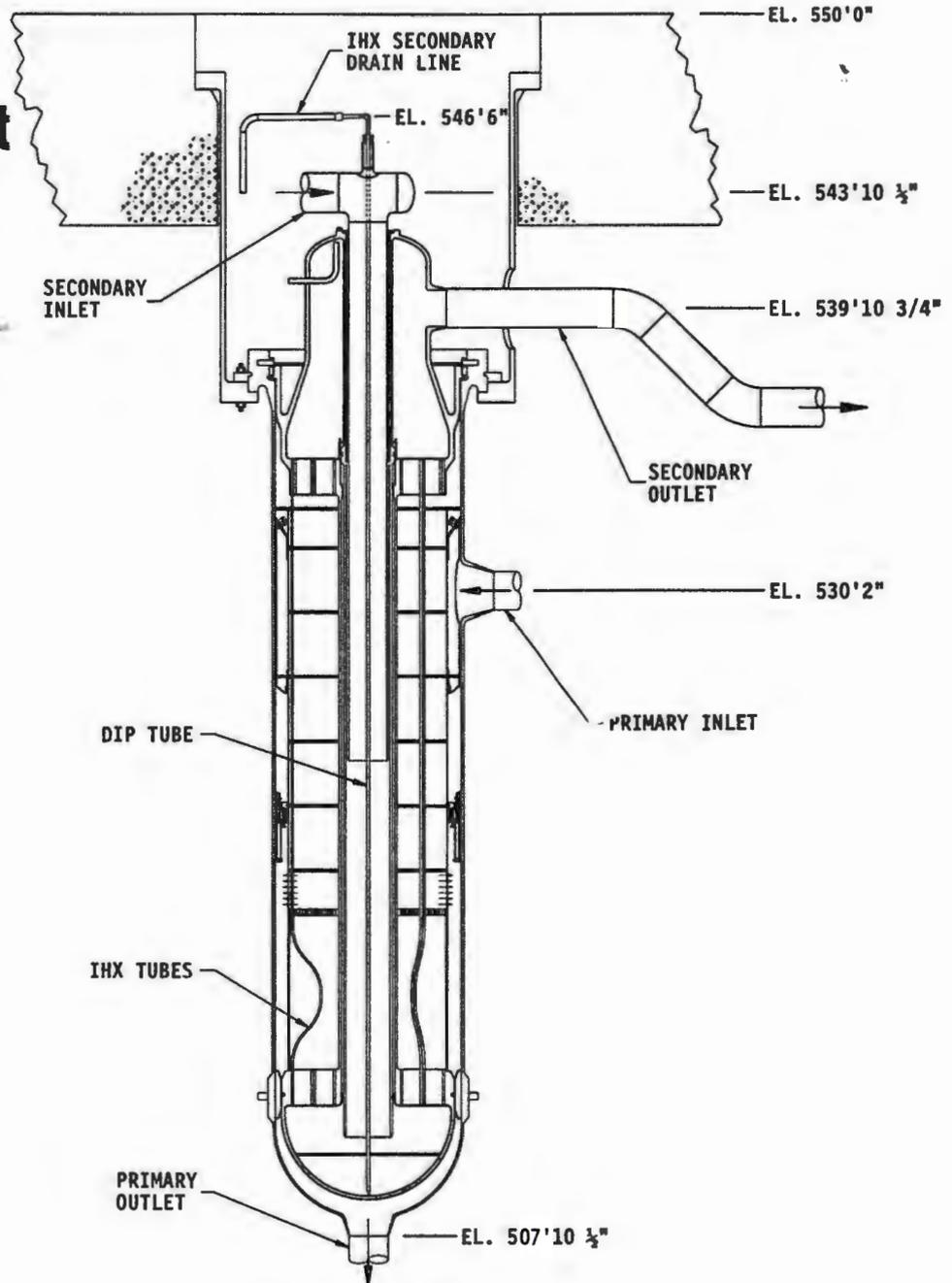
Dip tube insertion complete & rewelded

IHX Residual Draining



Bottom Loading Transfer Cask Repair

Intermediate Heat Exchanger (IHX) With Dip Tube



SECTIONAL ELEVATION
(ALL NOZZLES SHOWN ON THE SAME PLANE)

Significant Planned Actions

(Next Six Months)

■ Fuel Offload

- Six more ISCs will be loaded and transferred to either the Interim Storage Area (ISA) or PFP, for a total of 12 ISCs (81 fuel assemblies) being dispositioned by 1/22/04
- Preparation will continue for special fuel disassembly in the Interim Examination and Maintenance (IEM) Cell

■ Sodium Drain

- Complete reactor drain pump with delivery expected in January 2004
- Complete fabrication of second drill string for reactor vessel drain
- Initiate fabrication of the pipe spools for the NaK cross-connects

Schedule/Cost Performance Fiscal Year to Date Status (\$000s)

	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-CP04 FFTF Project	34,442	33,649	31,990	-793	-2%	1,659	5%	38,151

Status through August 2003 month end

Schedule Variance Analysis (-\$0.8M):

The schedule variance is within the established threshold (+/- 10% or \$1M)

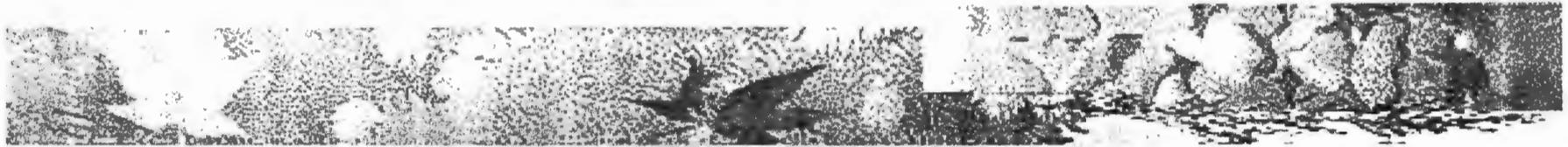
Cost Variance Analysis (\$1.7M):

The favorable FFTF cost variance is due to underruns in labor, contracts, and materials. There was also an August variance distribution credit to cost of \$1,045K

Project Issues/Summary

- **Significant progress continues to be made in the key deactivation areas of fuel offload and sodium drain**
 - The project is less than one week behind schedule due to the BLTC failure, and will be able to recover this lost time
 - The project is currently on track to meet all milestones agreed to by the Tri-Party agencies in 5/03

Tri-Party Agreement
Milestone M-89-00



324 Building
Closure of Mixed Waste Units

September 23, 2003
Tri-Party Agreement
Quarterly Milestone Review

Ecology Program Manager – FW Bond
DOE-RL Program Manager – KD Bazzell
FH Environmental Sponsor – DE Rasmussen

Active Milestone Overview

Milestone	Description	Date	Status
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 the M-89-00 milestone continued to be conducted safely.

Cost – Good

- Facility activities are within budget and remained in minimum safe operations mode, with preventive and corrective maintenance activities continuing as required to maintain compliance with safety basis and regulatory requirements.

Schedule – Good

- Containers with size reduced equipment remained staged in A-Cell, awaiting future shipment.



Significant Accomplishments

Since Last Quarterly Review

M-89-00

- Continued to safely maintain 324 Facility in minimum safe operations mode and performed preventive/corrective maintenance and surveillance activities consistent with facility safety basis and regulatory requirements
- Containers with size-reduced equipment remained staged in A-Cell and partially filled containers remained in B-Cell



Significant Planned Actions

Next Six Months

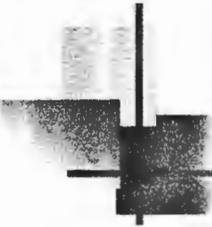
M-89-00

- Continue minimum safe operations mode in the 324 Facility and perform preventive/corrective maintenance and surveillance activities consistent with facility safety basis and regulatory requirements.
- Continue procurement activities supporting fabrication of 324 Building Radiochemical Engineering Cells Liquid Waste Handling System (LWHS) skid for future cell decontamination activities. Fabrication of this evaporation system and acceptance testing at the fabrication facility are expected to be completed during the next six months.
- Continue transition activities after the new River Corridor Contract is in place.



Project Summary

- The 324 Facility will continue to maintain minimum safe operations mode and conduct preventive/corrective maintenance and surveillance activities consistent with facility safety basis and regulatory requirements.
- Until the new River Corridor Contract is in place and transition activities are completed, no significant 324 Building Radiochemical Engineering Cells, High-Level Vault, Low-Level Vault, and Associated Areas mixed waste units closure activities are planned.



Facilities for Cesium/Strontium, Sodium, Un-irradiated Uranium, and Special Case Waste

Tri-Party Agreement M-92-00 Series Milestones

September 23, 2003
Tri-Party Agreement
Quarterly Milestone Review

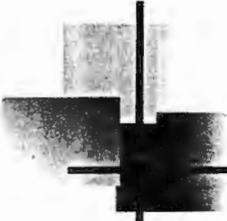
Ecology Program Manager – FW Bond
DOE-RL Program Manager – DT Evans
FH Environmental Sponsor – DE Rasmussen

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 sodium-potassium alloy (NaK), 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 ₂ 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	7/30/2009	On Schedule
M-92-10	Submit Hanford Site Sodium Project Management Plan (PMP) to Ecology pursuant to Agreement Action Plan Section 11.5.	9/30/2005	On Schedule

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**

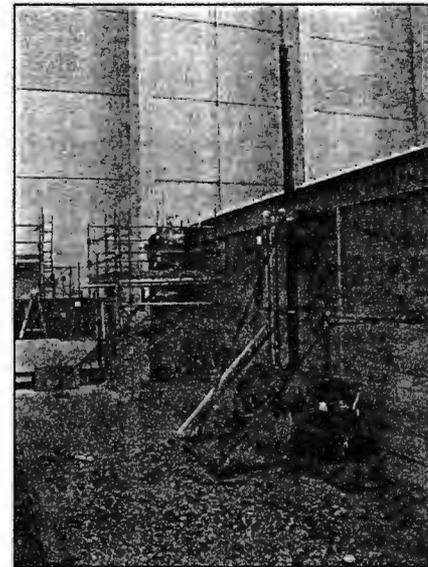
- Key milestone M-92 activities are being completed within budget

Program Manager's Assessment (cont'd)

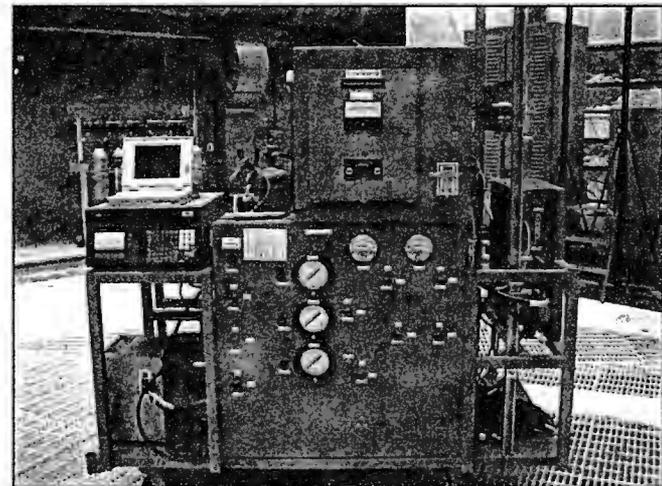
since last quarterly review

■ Schedule - Good

- **MX-92-06-T02**
 - No activities are planned for the next 3 months
- **M-92-09 and M-92-10**
 - The draft change request was approved by Ecology on 7/21/03 which reestablishes interim milestones M-92-09 and M-92-10 associated with management and disposition of Hanford Site radioactive sodium
- **MX-92-11-T01**
 - Contract was placed to clean residual sodium from 337B Composite Reactor Component Test Activity (CRCTA) vessel.
 - Cleaning of the sodium storage tank in 3718M was successfully completed
- **M-92-16**
 - On schedule. No further Special Case Waste (SCW) packaging/shipment activities planned at 327 Building until after new River Corridor Contract is in place. The 340 Facility SCW activities status is being reviewed by RL



Water column/vent tank used in association with cleaning 3718M sodium storage tank for M-92-11-T01



Control system for cleaning 3718M sodium storage tank

Significant Planned Actions

next six months

- **MX-92-06-T02**

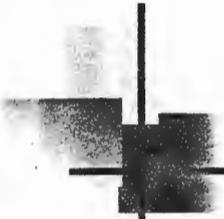
- If funded, revise existing Safety Analysis Report for Packaging (SARP) to allow on-site shipment of remaining 825 metric tons of fuel assemblies

- **MX-92-11-T01**

- Complete minor modifications to the 3718M tank to support the vendor cleaning of the Composite Reactor Component Test Activity (CRCTA)
- Initiate cleaning of the CRCTA vessel (will meet 9/30/04 completion date)
- Finalize plans for disposing of the 337B sodium cold trap

- **M-92-16**

- On schedule. No further Special Case Waste packaging/shipping activities planned at 327 Building until after the new River Corridor Contract is in place.



Project Summary

- **M-92-05:** To be covered in ORP Milestone Review
- **MX-92-06-T02:** On schedule
- **M-92-09:** Change request approved
- **M-92-10:** Change request approved
- **MX-92-11-T01:** On schedule
- **M-92-12:** On schedule. At this time there are no additional facilities identified as needed to store 300 Area Special Case Waste
- **M-92-15:** Complete
- **M-92-16:** On schedule. No further Special Case Waste activities planned at 327 Building until after the new River Corridor Contract is in place. Special Case Waste (SCW) removal and shipping is complete for the 324 and 325 Buildings.

Disposition of the 300 Area Surplus Facilities

Tri-Party Agreement M-094-00 Series Milestones

September 23, 2003
Tri-Party Agreement Quarterly Milestone Review

Ecology Program Manager – FW Bond
DOE-RL Program Manager – KD Bazzell

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 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 (September 30, 2018). (Per change M-94-03-01)</p>	9/30/2004
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. (Submitted 7/30/02, Ecology approval letter 12/18/02)</p>	7/30/2002
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>(M-094-04 was combined with M-094-01 per change M-94-03-01)</p>	See M-094-01

Project Summary

- The M-094 series milestones M-094-00, M-094-01, M-094-03, and M-094-04 are part of the new River Corridor Contract work scope. Applicable work scope activities will proceed after the new contract is in place
- The delay in awarding the River Corridor Contract and the subsequent contract protest activities impacted RL's ability to complete Tri-Party Agreement Interim Milestone M-094-01 by the November 30, 2003 due date. RL proposed TPA Change Number M-94-03-01 to accommodate the delay in the River Corridor Contract implementation.
- Tri-Party Agreement Change Number M-94-03-01 was proposed by DOE-RL on 9/02/03, approved by Ecology on 9/03/03 and by EPA on 9/05/03, extending the M-094-01 completion date by ten months to September 30, 2004. In addition, Change Number M-094-03-01 incorporated Tri-Party Agreement Interim Milestone M-094-04 into M-094-01, thus accelerating the M-094-04 due date by eleven months to September 30, 2004.