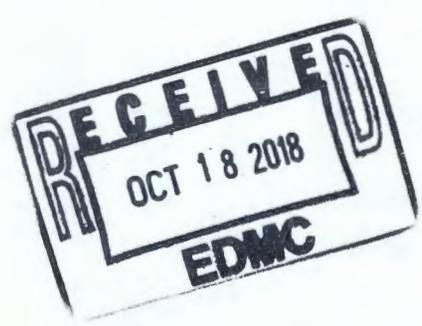


1250325
[0064543H]

Office of River Protection

Tri-Party Agreement

Quarterly Milestone Review



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

April 27, 1999

Tri-Party Agreement Quarterly Milestone Review
Office of River Protection
April 27, 1999
EPA Conference Room, 712 Swift Blvd., Suite 5
9:00 a.m.

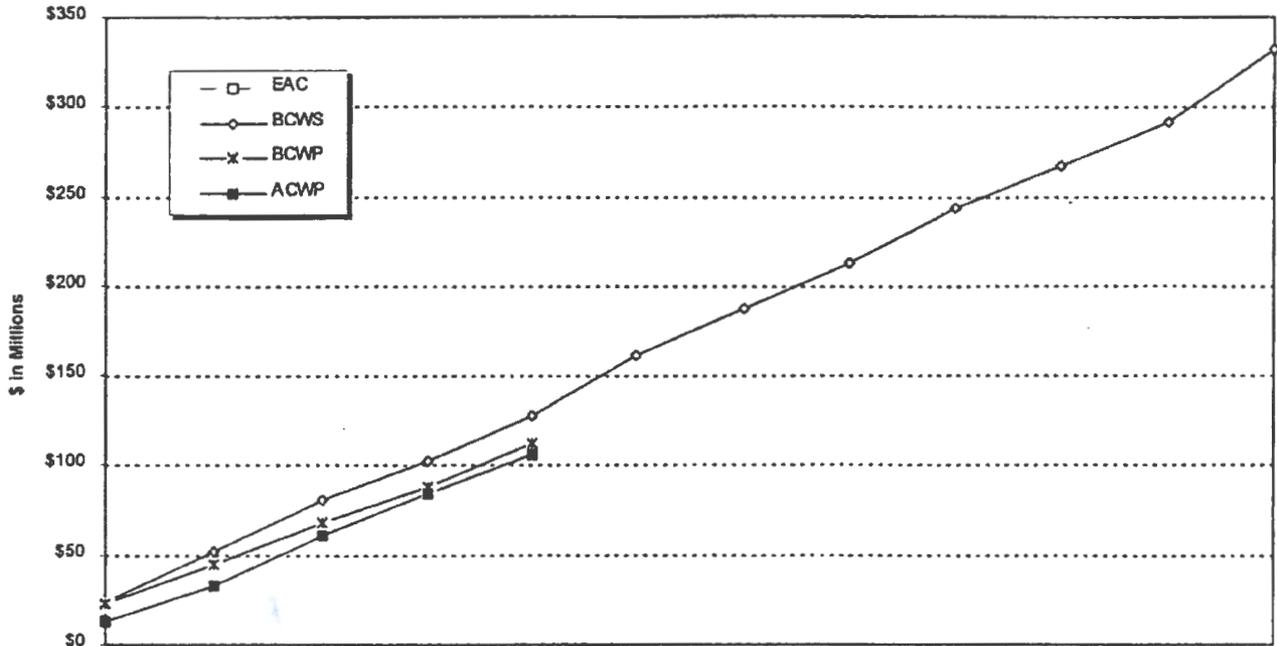
TOPIC	DISCUSSION LEADS	TIME
FY 1999 Cost and Schedule Performance Overview	Jon Peschong	9:00
FY 1999 ORP Tri-Party Agreement Milestones Status/Issues/Planned Activities	Suzanne Dahl/Hector Rodriguez	9:15
M-40-00, Safety Issue Resolution	Joe Voice/Tony Valero	9:30
M-44-00, Tank Waste Characterization	Jim Poppiti/Dave Dougherty	9:40
M-45-00, Single Shell Tank Closure	Jim Poppiti/Scott McKinney	9:50
M-50, 51, 60, 61-00, Treatment and Immobilization of Hanford Tank Waste	Bill Taylor/Suzanne Dahl	10:00
M-90-00, Complete Acquisition of Facilities for Interim Storage of IHLW and storage/disposal of ILAW	Bill Taylor/Bob Julian	10:10
BREAK		10:20
M-32-00, Complete Identified Dangerous Waste Tank Corrective Actions	Dana Bryson/Tony Valero	10:25
M-43-00, Tank Farm Upgrades	Dana Bryson/Dick Heggen	10:35
M-46-00, Double Shell Tank Space Evaluation	Dana Bryson/Scott McKinney	10:45
Vadose Zone	Dave Olson/Roger Stanley	10:55

Interim Stabilization Consent Decree Review
Office of River Protection
April 27, 1999
11:00 a.m.

TOPIC	DISCUSSION LEADS	TIME
Interim Stabilization Consent Decree	Dana Bryson/Casey Ruud	11:00

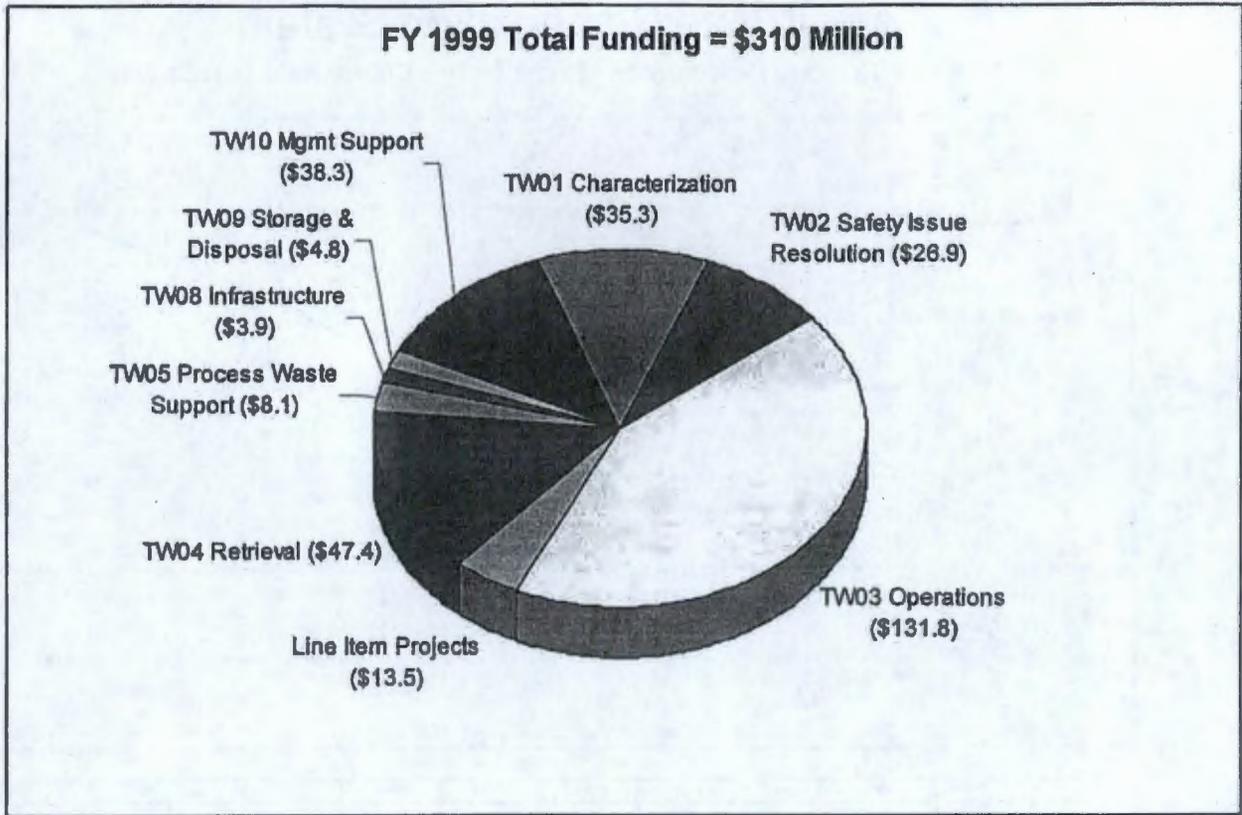
Tank Waste Remediation System

FY 1999 Cost/Schedule Performance - All Fund Types - Cumulative to Date Status



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
EAC												
BCWS	23.7	51.5	80.6	102.2	127.8	161.0	188.9	212.3	243.0	286.8	291.6	332.2
BCWP	22.2	44.5	67.9	88.1	112.2							
ACWP	12.7	32.8	60.8	84.1	108.2							
SV	(1.5)	(7.0)	(12.7)	(14.1)	(15.3)							
CV	9.5	11.9	7.1	4.0	6.0							

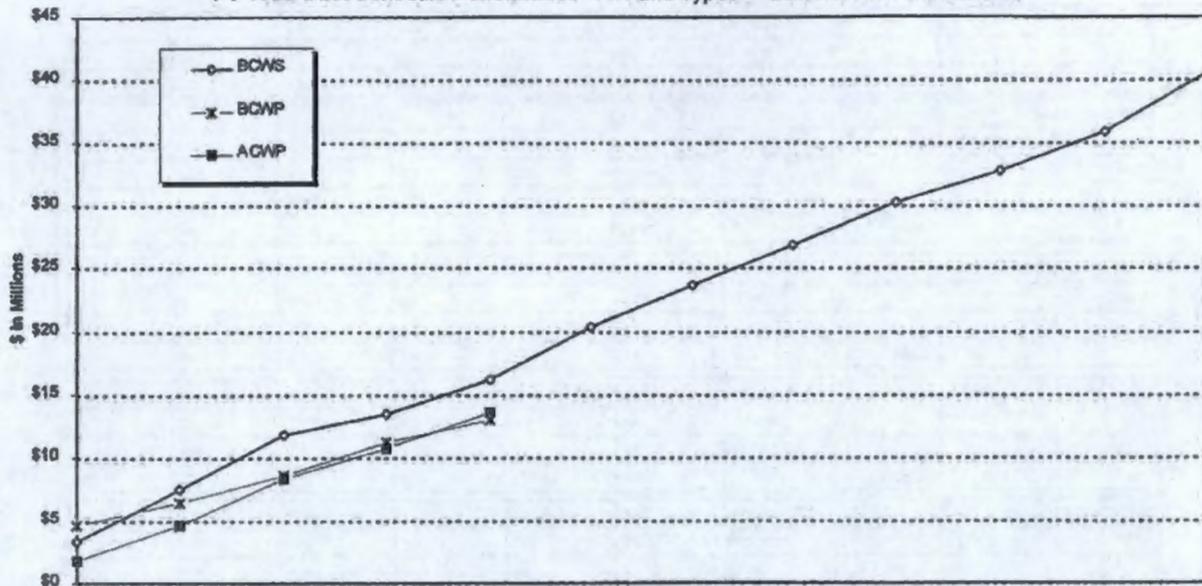
*This information is contained in the Hanford Site Performance Report, available on the Internet under DOE Hanford's Home Page at www.hanford.gov/hspr/toc.htm. Slight differences in totals may be due to rounding.



			FYTD					FTB
			BCWS	BCWP	ACWP	SV	CV	Cur BSLN
1.1.1.1	Management Support	Expense	15.0	14.8	8.3	(0.4)	8.3	32.0
TW10		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
		GPPAI	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.1.1.1		15.0	14.8	8.3	(0.4)	8.3	32.0
WASTE STORAGE								
1.1.2.1	Tank Farm Operations	Expense	50.0	38.2	46.3	(11.8)	(8.1)	109.9
TW03		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
		GPPAI	4.4	4.3	4.2	(0.1)	0.1	11.5
	Subtotal 1.1.2.1		54.4	42.5	50.5	(11.9)	(8.0)	121.4
1.1.2.2	Tank Safety Issue Resolution	Expense	8.2	7.7	8.8	(0.5)	0.9	28.6
TW02		CENRTC	0.0	0.0	0.1	0.0	(0.1)	0.0
		GPPAI	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.1.2.2		8.2	7.7	8.9	(0.5)	0.8	28.6
1.1.2.4	Tank Waste Characterization	Expense	16.3	13.0	14.6	(3.3)	(1.6)	39.6
TW01		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
		GPPAI	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.1.2.4		16.3	13.0	14.6	(3.3)	(1.6)	39.6
TOTAL WASTE STORAGE			Expense	58.9	67.7	(15.6)	(8.8)	176.1
		CENRTC	0.0	0.0	0.1	0.0	(0.1)	0.0
		GPPAI	4.4	4.3	4.2	(0.1)	0.1	11.5
	Total Waste Storage		78.0	63.2	72.0	(15.7)	(8.8)	188.6
WASTE DISPOSAL								
1.1.3.1	Retrieval	Expense	21.3	14.4	18.0	(6.9)	(3.7)	95.3
TW04		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
		GPPAI	1.4	1.6	2.4	0.2	(0.8)	4.1
	Subtotal 1.1.3.1		22.7	16.0	20.4	(6.7)	(4.5)	99.4
1.1.3.4	Immobilized Tank Waste	Expense	2.0	1.9	1.5	(0.1)	0.4	10.5
TW09	Storage & Disposal	CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
		GPPAI	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.1.3.4		2.0	1.9	1.5	(0.1)	0.4	10.5
1.1.3.5	Process Waste Support	Expense	3.7	2.9	2.6	(0.8)	0.3	7.8
TW05		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
		GPPAI	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal 1.1.3.5		3.7	2.9	2.6	(0.8)	0.3	7.8
1.1.3.6	Privatization Infrastructure	Expense	1.5	1.5	0.8	0.0	0.7	11.0
TW08		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
		GPPAI	0.8	0.7	0.8	(0.1)	0.1	8.7
	Subtotal 1.1.3.6		2.3	2.2	1.4	(0.1)	0.6	19.7
TOTAL WASTE DISPOSAL			Expense	20.7	22.9	(7.8)	(2.3)	124.6
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
		GPPAI	2.2	2.3	3.0	0.1	(0.2)	12.6
	Total Waste Disposal		30.7	23.0	25.9	(7.7)	(3.0)	137.4
HTI		Expense	2.8	3.0	2.0	0.2	1.0	7.4
		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0
		GPPAI	0.0	0.0	0.0	0.0	0.0	0.0
	Subtotal HTI		2.8	3.0	2.0	0.2	1.0	7.4
Tank Waste Remediation System			Expense	97.1	98.9	(23.7)	(1.8)	286.0
		CENRTC	0.0	0.0	0.1	0.0	(0.1)	0.0
		GPPAI	6.6	6.6	7.2	0.0	(0.6)	24.3
	TWRS Total		127.4	103.7	106.2	(23.7)	(2.5)	310.3

Tank Waste Characterization - TW01

FY 1999 Cost/Schedule Performance - All Fund Types -- Cumulative to Date Status

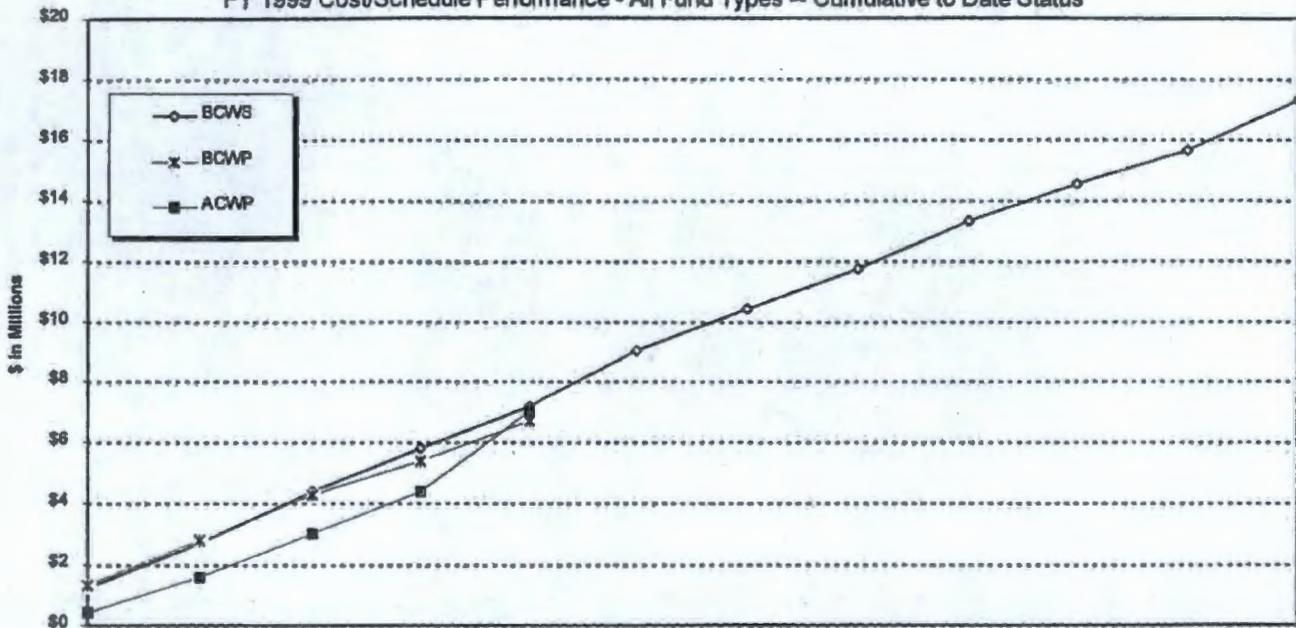


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	3.3	7.5	11.7	13.4	18.2	20.3	23.6	26.8	30.3	32.8	35.8	40.6
BCWP	4.6	6.4	8.5	11.2	12.9							
ACWP	1.8	4.6	8.3	10.7	13.5							
SV	1.2	(1.0)	(3.2)	(2.2)	(3.3)							
CV	2.8	1.8	0.2	0.5	(0.6)							

Note: Data indicates PHMC data only.

Tank Safety Issue Resolution - TW02

FY 1999 Cost/Schedule Performance - All Fund Types -- Cumulative to Date Status

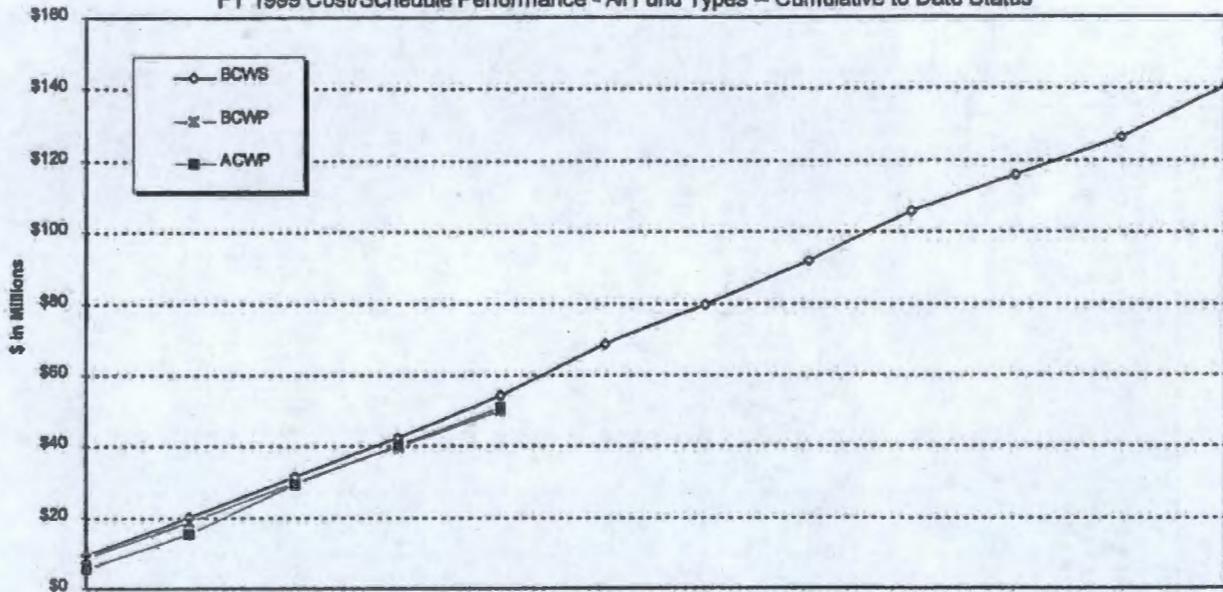


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	1.2	2.7	4.4	5.8	7.2	8.0	10.4	11.7	13.3	14.5	15.6	17.3
BCWP	1.3	2.8	4.3	5.4	6.7							
ACWP	0.4	1.6	3.0	4.4	7.0							
SV	0.0	(0.1)	(0.1)	(0.4)	(0.5)							
CV	0.8	1.1	1.3	1.0	(0.3)							

Note: Data indicates PHMC data only.

Tank Farms Operations - TW03

FY 1999 Cost/Schedule Performance - All Fund Types -- Cumulative to Date Status

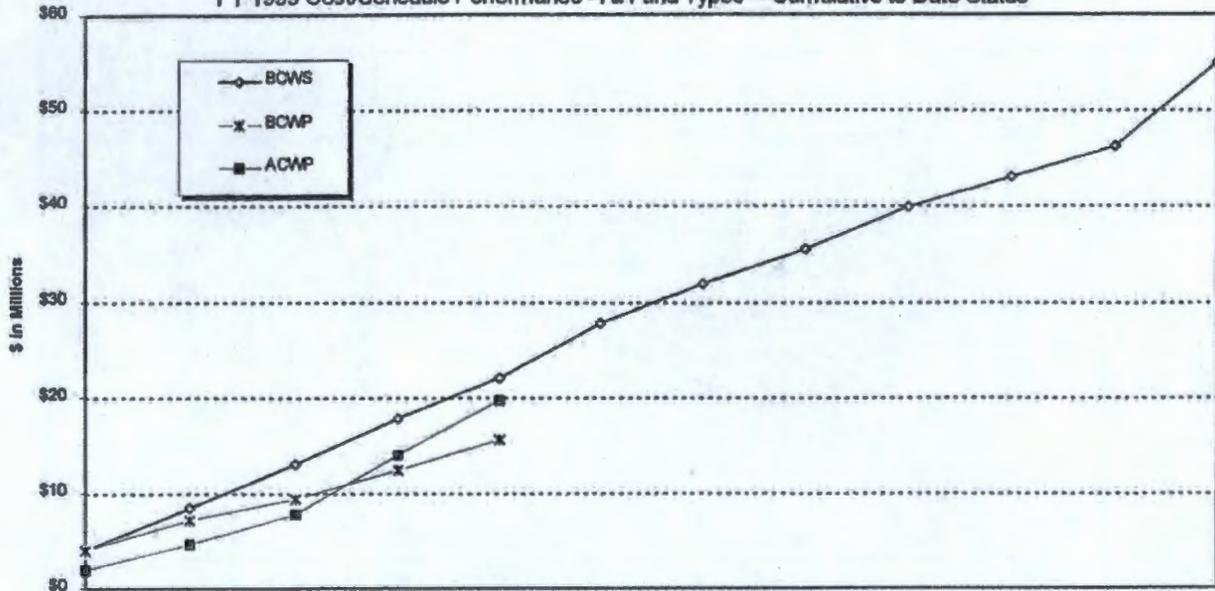


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	9.3	19.8	31.3	42.3	54.0	68.2	79.3	91.4	105.7	115.7	126.2	140.6
BCWP	6.3	18.5	29.4	39.8	49.9							
ACWP	5.6	15.3	29.3	40.0	50.5							
SV	(1.0)	(1.3)	(1.9)	(2.4)	(3.6)							
CV	2.8	3.2	0.1	(0.2)	(0.7)							

Note: Data indicates PHMC data only.

Retrieval - TW04

FY 1999 Cost/Schedule Performance - All Fund Types -- Cumulative to Date Status

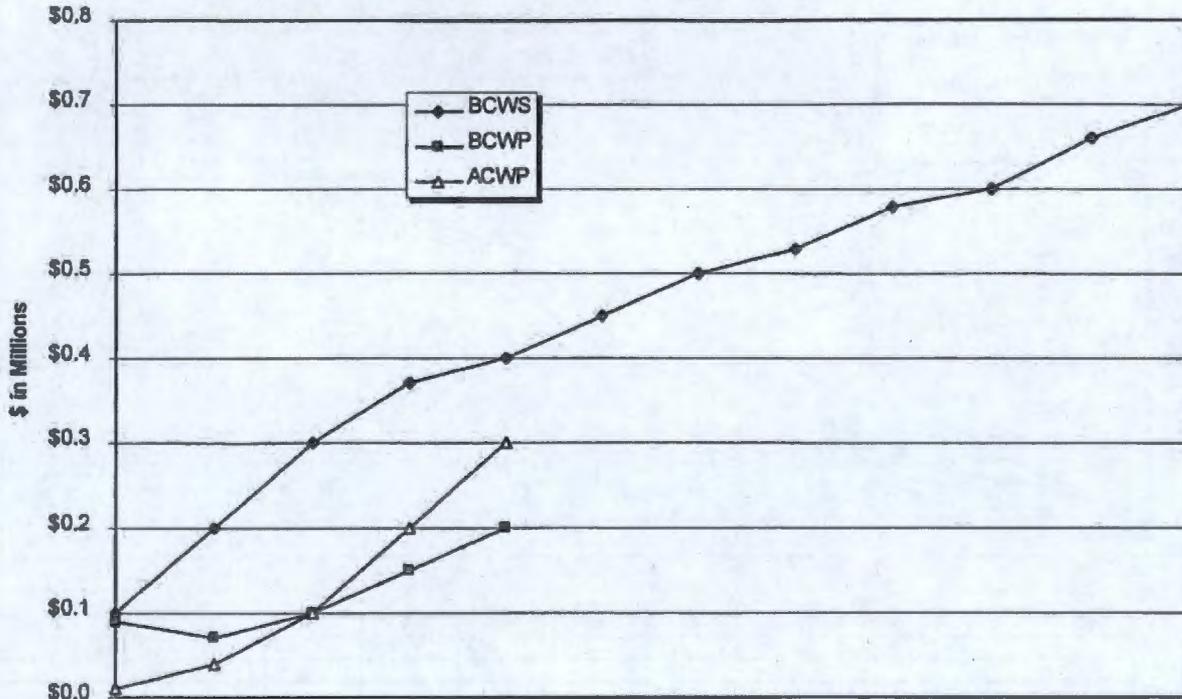


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	4.0	8.4	13.0	17.7	22.0	27.7	31.8	35.5	39.9	43.1	46.3	55.0
BCWP	3.9	7.1	9.4	12.4	15.5							
ACWP	1.9	4.6	7.8	13.9	19.6							
SV	(0.2)	(1.5)	(3.6)	(5.3)	(6.7)							
CV	2.0	2.2	1.6	(1.6)	(4.2)							

Note: Data indicates PHMC data only.

Process Waste Support - TW05

FY 1999 Cost/Schedule Performance - All Fund Types -- Cumulative to Date Status

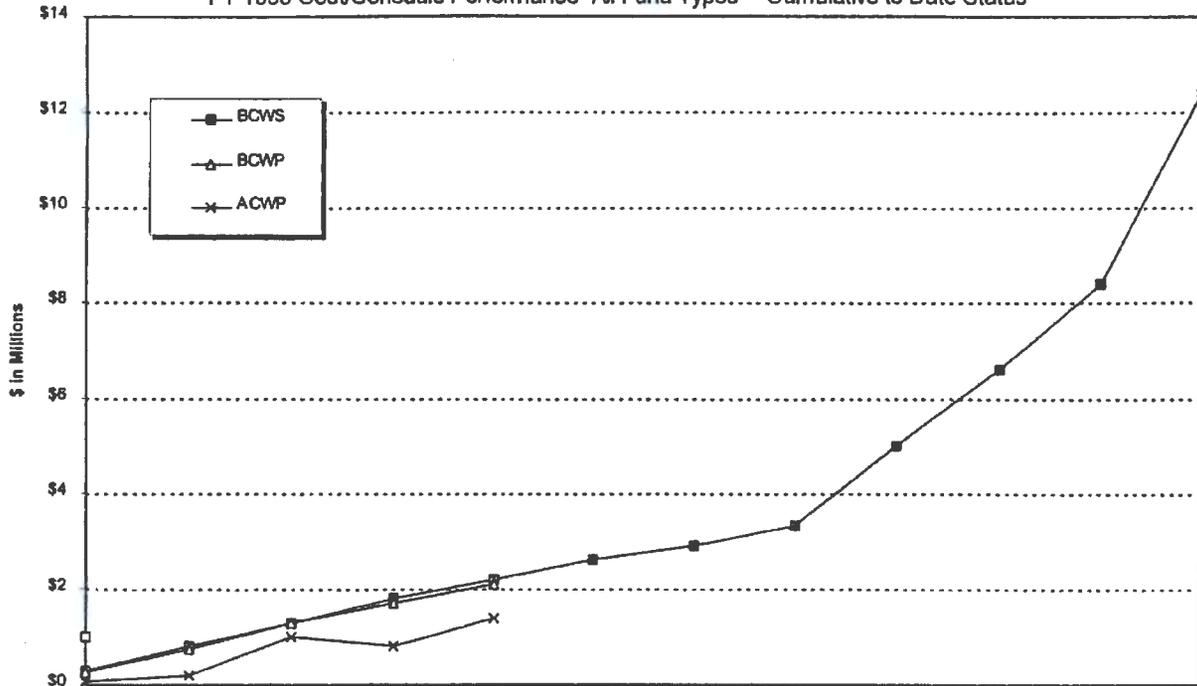


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	0.10	0.20	0.30	0.37	0.40	0.45	0.50	0.53	0.58	0.60	0.66	0.70
BCWP	0.09	0.07	0.10	0.15	0.20							
ACWP	0.01	0.04	0.10	0.20	0.30							
SV	(0.01)	(0.10)	(0.20)	(0.20)	(0.22)							
CV	(0.07)	0.03	(0.01)	(0.03)	(0.10)							

Note: Data indicates PHMC data only.

Privatization Infrastructure - TW08

FY 1999 Cost/Schedule Performance- All Fund Types -- Cumulative to Date Status

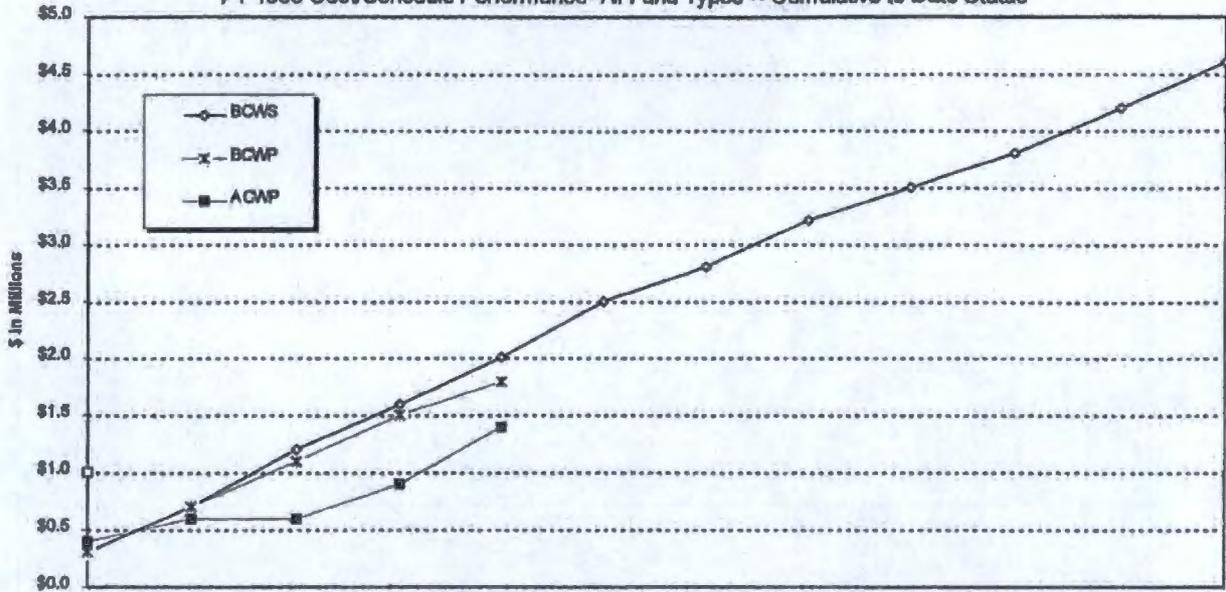


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	0.30	0.80	1.30	1.80	2.20	2.60	2.80	3.30	5.00	6.80	8.40	12.40
BCWP	0.26	0.75	1.30	1.70	2.10							
ACWP	0.05	0.20	1.00	0.80	1.40							
SV	(0.05)	(0.06)	(0.02)	(0.12)	(0.09)							
CV	0.20	0.60	0.40	0.90	0.80							

Note: Data Indicates PHMC data only.

Immobilized Tank Waste Storage & Disposal - TW09

FY 1999 Cost/Schedule Performance- All Fund Types -- Cumulative to Date Status

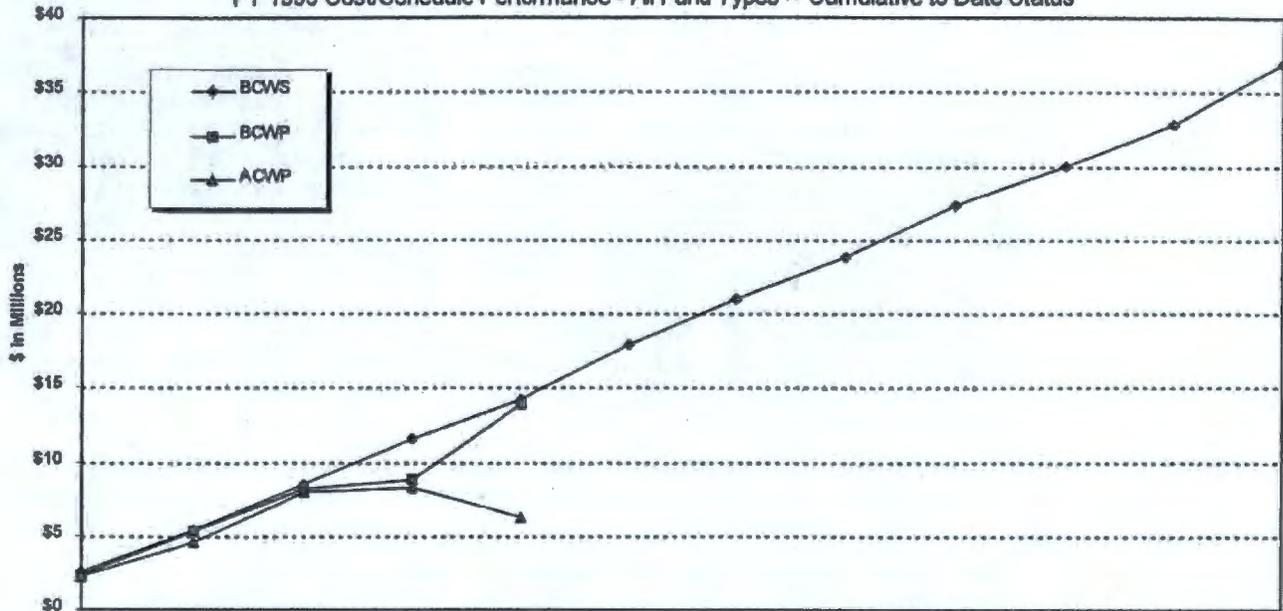


	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	0.30	0.70	1.20	1.60	2.00	2.50	2.80	3.20	3.50	3.80	4.20	4.60
BCWP	0.30	0.70	1.10	1.50	1.80							
ACWP	0.40	0.60	0.60	0.90	1.40							
SV	0.00	(0.01)	(0.05)	(0.08)	(0.14)							
CV	(0.10)	0.20	0.50	0.80	(0.40)							

Note: Data indicates PHMC data only.

Management Support - TW10

FY 1999 Cost/Schedule Performance - All Fund Types -- Cumulative to Date Status



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
BCWS	2.50	5.40	8.50	11.50	14.20	17.90	20.90	23.80	27.30	29.90	32.80	36.90
BCWP	2.30	5.30	8.20	8.80	13.90							
ACWP	2.20	4.50	7.80	8.30	6.20							
SV	(0.20)	(0.20)	(0.30)	(2.70)	(0.40)							
CV	0.07	0.80	0.30	0.50	7.70							

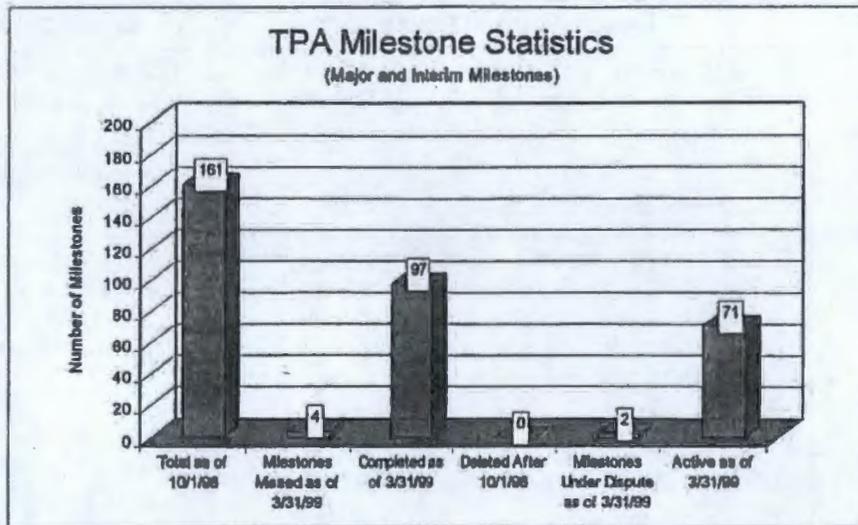
Note: Data indicates PHMC data only.

FY 1999 Cost/Schedule Variance Summary
Through March 1999

PBS	Description and Cause	Impact/Corrective Action
<p>TW01 Tank Waste Characterization</p>	<p>Cost Variance (-7.1%): The unfavorable cost variance is attributed to fixed costs associated with delays in field sampling due to inclement weather.</p> <p>Schedule Variance (-23.1%): The unfavorable schedule variance is due to delays in planned core sampling activities caused by inclement weather (wind).</p>	<p>Corrective Action: Increase in sampling performance is expected through the use of engineered barriers (tents) and Trucks 3 & 4 for the remaining tanks. Weather improvements will also boost productivity.</p> <p>Corrective Action: Sampling schedule is being revised consistent with recent funding reductions.</p>
<p>TW02 Tank Safety Issue Resolution</p>	<p>Cost Variance (-13.2%): The unfavorable cost is attributed to newly authorized work for tank SY-101 Surface Level Rise USQ</p> <p>Schedule Variance (-7.1%): Within the 7.5% threshold.</p>	<p>Corrective Action: BCRs in process. Once approved, cost variance will be corrected and within threshold</p>
<p>TW03 Tank Farm Operations</p>	<p>Cost Variance (-1.9%): Within the 5.0% threshold.</p> <p>Schedule Variance (-7.9%): The unfavorable schedule is due to Interim Stabilization work being accomplished according to revised baseline in Consent Decree.</p>	<p>Corrective Action: Approval of Interim Stabilization baseline change request consistent with the Consent Decree will eliminate most of the variances.</p>
<p>TW04 Retrieval Project</p>	<p>Cost Variance (-17.9%): The unfavorable cost variance is due to:</p> <ol style="list-style-type: none"> 1. HTI cost overruns. 2. General equipment repair funding is being consumed earlier than planned. 3. Costs for prior year W-211 equipment procurement are being posted as equipment is delivered. <p>Schedule Variance (-21.9%): The unfavorable schedule variance is due to:</p> <ol style="list-style-type: none"> 1. Closeout of W-151 activities. 2. C-106 sluicing operations were placed on hold due to the organic vapor issue. 3. Retrieval engineering work started late due to unavailability of resources and procedural problems encountered in the 222-S Lab. 	<p>Corrective Action:</p> <ol style="list-style-type: none"> 1. Resolution of HTI funding shortfalls is in process. 2. None required. 3. An unfavorable cost variance will exist for this activity. <p>Corrective Action:</p> <ol style="list-style-type: none"> 1. Change requests are in process to closeout activities and to defer work remaining work scope to FY 2000. 2. Evaluating potential to accelerate schedule by using better than expected sludge recovery rates and conducting sluicing and data evaluation in parallel.

FY 1999 Cost & Schedule Variance Summary

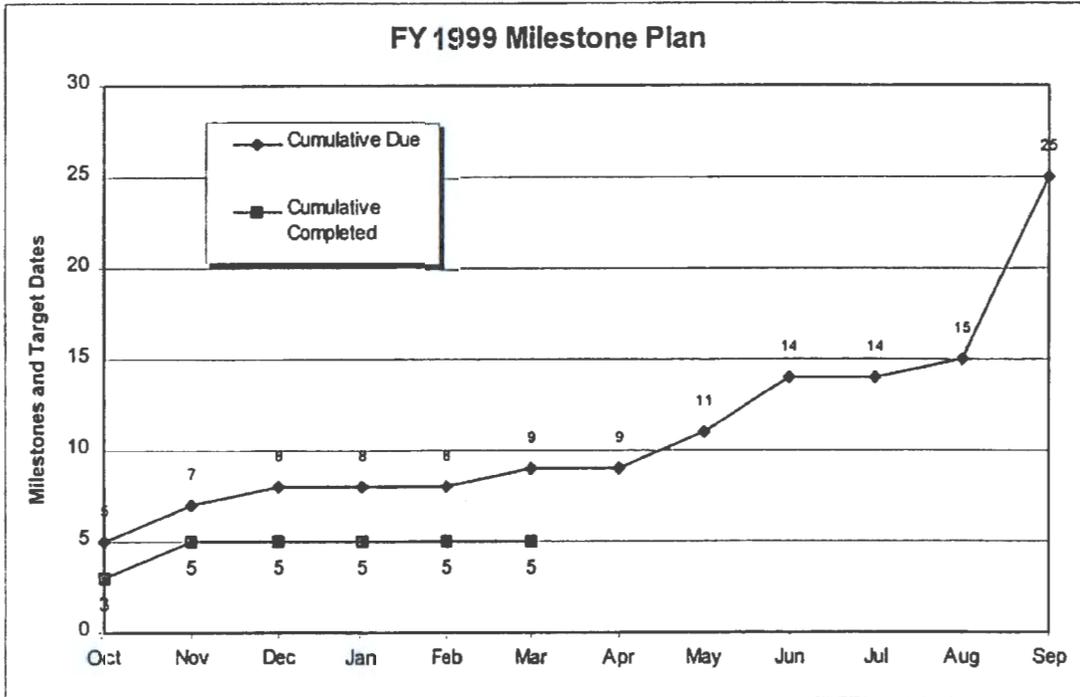
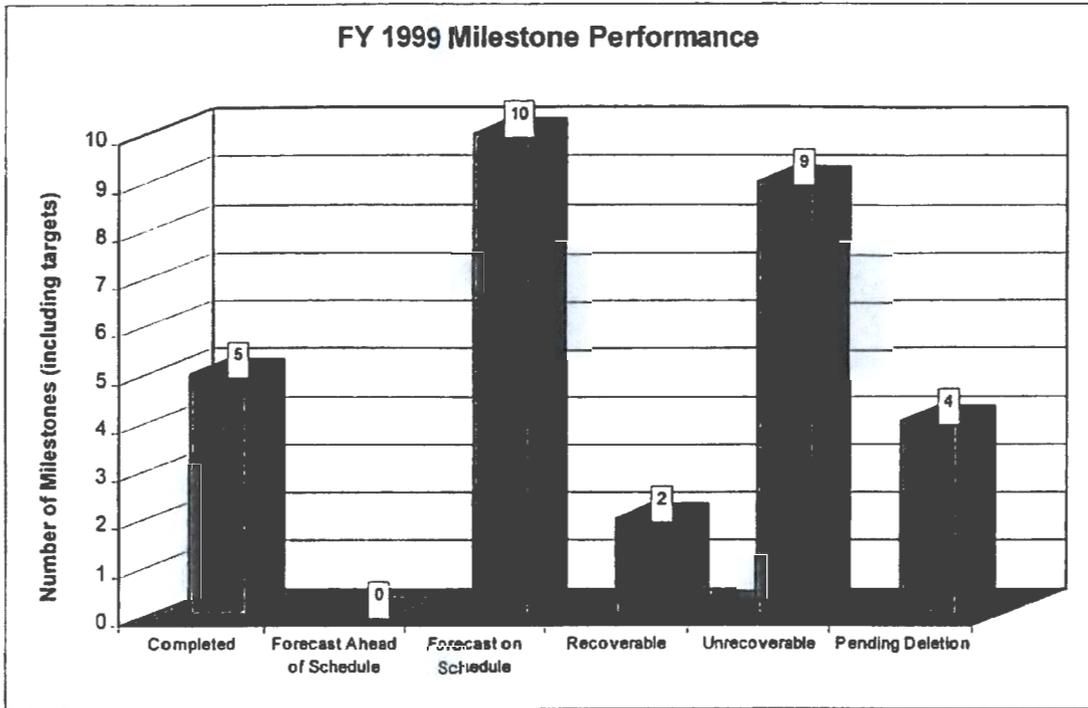
PBS	Description and Cause	Impact/Corrective Action
	<p>4. Vadose Zone Characterization plan has been delayed pending TPA negotiations.</p>	<p>3. Obtained additional resources; 222-S Lab problems resolved.</p> <p>4. Change request will update schedule to reflect results of TPA negotiations.</p>
<p>TW05 Process Waste Support</p>	<p>Cost Variance (+16.9%): The favorable cost variance is due to effort required to complete FY 1998 ICD revisions was less than planned; Costs to disposition waste treatability residues are less than planned.</p> <p>Schedule Variance (-15.9%): The unfavorable schedule variance is due to the disposition of the waste treatability samples at T Plant are still pending.</p>	<p>Corrective Action: Positive cost variance will be used to offset costs associated with preparation of Interface Implementation Plans.</p> <p>Corrective Action: Continue to work with Waste Management Hanford to dispose of samples.</p>
<p>TW08 Privatization Infrastructure</p>	<p>Cost Variance (+32.5%): The favorable cost variance results from planned activities requiring less resources than planned.</p> <p>Schedule Variance (-8.8%): W-519 definitive design is approximately three weeks behind schedule</p>	<p>Corrective Action: Accrual issue is being addressed by PHMC. Planning underway for use of funds for outyears in Project W-519 and other TWRS priority work.</p> <p>Corrective Action: Title II design will be completed in April 1999. Construction bid cycle has been accelerated to recover schedule.</p>
<p>TW09 Immobilized Tank Waste</p>	<p>Cost Variance (-6.5%): The unfavorable cost variance is due to the ILAW/IHLW AGAs requiring more analysis and evaluation than planned. Contract accruals were doubled in March.</p> <p>Schedule Variance (-11.5%): The unfavorable variance is due to Project W-464 Management Plan being delayed and Project W-465 revalidation activities being delayed until June 1999.</p>	<p>Corrective Action: Credit for FY 1998 accruals will be offset as costs are received. AGA expenses will be covered with cost savings realized through effective management of other activities. Accruals will be corrected in April 1999.</p> <p>Corrective Action: Work is forecast to be completed on Schedule</p>
<p>TW10 Management Systems</p>	<p>Cost Variance (+44.5%): Site Indirect positive passback credits, FY 1998 award fee reversal, and fee pool reductions for all of ORP are being held in this account.</p> <p>Schedule Variance (-2.1%): Within the 7.5% threshold.</p>	<p>Corrective Action: None required.</p> <p>Corrective Action: None required.</p>



Milestone Completion Date	Total Milestones as of 10/1/98	Milestones Completed as of 3/31/99	Milestones Deleted After 10/1/98	Milestones Under Dispute as of 3/31/99	Milestones Active as of 3/31/99	Milestones Missed as of 3/31/99	
M-40-00 Migrate/Resolve Tank Safety Issues for High Priority Weichist Tanks	9/30/2001	19	17	0	1	2	0
M-41-00 Complete Single Shell Tank Interim Stabilization	9/30/2000	18	12	0	1	6	3
M-43-00 Complete Tank Farm Upgrades	9/30/2005	28	16	0	0	8	0
M-44-00A Double and Single Shell Tank Characterization	9/30/2002	24	19	0	0	15	0
M-45-00** Complete Closure of all Single Shell Tank Farms	9/30/2024	29	11	0	0	18	1
M-46-00 Double Shell Tank Space Evaluation	9/30/2003	20	10	0	0	10	0
M-50-00 Complete Pretreatment Processing of Hanford Tank Wastes	9/30/2024	4	2	0	0	2	0
M-51-00 Complete Immobilization of Hanford High Level Tank Waste	12/31/2028	4	2	0	0	2	0
M-60-00 (primary path) Complete Pretreatment and Immobilization of Hanford Low Activity Tank Waste	12/31/2024	(12)*	8	0	0	(4)*	0
M-61-00* (alternate path) Complete Pretreatment and Immobilization of Hanford Low Activity Tank Waste	12/31/2028	4	0	0	0	4	0
M-90-00 Interim Storage and Disposal of LAW and Interim Storage of HLW	TBD	8	1	0	0	7	0
Total		161	97	0	2	71	4

*DOE abandoned the primary path per letter dated June 18, 1998. M-60-00 milestones were automatically deleted from the Tri-Party Agreement, and M-61-00 milestones were activated under the alternate path (Ecology and EPA stated their disagreement with this footnote at the July 28, 1998 IAMIT meeting).

** Does not include proposed groundwater/vadose zone milestones M-45-50 through M-45-60, which are in public comment through approximately May 17, 1999.



Fiscal Year 1999 Tri-Party Agreement Milestone Status

Milestone	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Pending Deletion
				Ahead of Schedule	On Schedule			
M-32-00	Complete Identified Dangerous Waste Tank Corrective Actions.	9/30/99				X		
M-32-06	Complete 244-AR-Vault Interim Status Tank Actions.	TBD						X
M-32-06-T01	Complete and Submit Integrity Assessment Report and Identified Upgrades for 244-AR-Vault Interim Status Tank System. Provide a Schedule to Address any Deficiencies Related to Tank System Compliance.	TBD						X
M-32-08	Complete Grout Interim Status Tank Actions.	TBD						X
M-32-08-T01	Complete and Submit Integrity Assessment Report For Grout Interim Status Tank System. Complete Activities Required to Correct Any Deficiencies Described In The Report Related to Tank System Compliance.	TBD						X
M-40-12	Resolve Nuclear Criticality Safety Issue.	9/30/99			X			
M-41-22	Start Interim Stabilization of 6 SSTs.	9/30/97					X	
M-41-23	Start Interim Stabilization of 8 SSTs.	3/31/98					X	
M-41-24	Start Interim Stabilization of 9 SSTs.	9/30/98					X	
M-41-25	Start Interim Stabilization of 3 SSTs.	3/31/99					X	
M-41-26	Start Interim Stabilization of 2 SSTs.	9/30/99					X	
M-41-27-T03	Complete Salt Well Pumping of 5 SSTs.	9/30/99					X	
M-41-27-T04	Complete Salt Well Pumping of 8 SSTs.	9/30/99					X	
M-43-12	Start Construction for Upgrades in the First Tank Farm.	6/30/99	X					
M-44-13C	Submit Draft WIRD to Ecology for FY 2000.	6/30/99			X			
M-44-14C	Submit Final WIRD for FY 2000 to Ecology.	8/31/99			X			
M-44-15C	Issue Characterization Deliverables Consistent with WIRD Developed for FY 1999.	9/30/99			X			
M-44-16C	Complete Input of Characterization Information for HLW Tanks per WIRD Sampling into Electronic Database. Offsite Access to be Available to EPA and Ecology.	9/30/99			X			
M-45-02D	Submit Annual Update of SST Retrieval Sequence Document for Ecology Approval.	9/30/99			X			
M-45-03A	Initiate Sluicing Retrieval of C-106.	10/31/97	X					
M-45-09D	Submit Annual Progress Reports on the Development of Waste Tank Leak Monitoring and Mitigation Activities in Support of M-45-06.	9/30/99			X			
M-45-10A-T1	Submit DOE Approved DQO for Phase II Tank Waste Retrieval.	5/31/99					X	
M-46-00F	Double Shell Tank Space Evaluation.	9/30/99			X			
M-46-01E	Concurrence of Additional Tank Acquisition.	11/30/98	X					

ORP Project Summary

FY 1999 TPA Milestone Status

Milestone	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Pending Deletion
				Ahead of Schedule	On Schedule			
M-50-04-T02	Initiate Definitive Design of the HLW Pretreatment Facility.	11/30/98	X					
M-51-03-T02	Initiate Definitive Design of the HLW Vitrification Facility.	12/31/98	X					
M-51-04B-T1	Submit Approved DQO for Phase II HLW Feed Staging.	5/31/99					X	
M-90-12	Submit Revised Canister Storage Facility Part A Dangerous Waste Permit Application to Ecology.	6/30/99			X			
TOTAL			5	0	9	1	9	4

Change Request M-41-98-01

Submitted to Ecology July 2, 1998. Disapproved by Ecology on July 16, 1998. DOE invoked dispute on July 2, 1998; elevated to IAMIT on August 20, 1998. Dispute extended at Director level pending outcome of M-41-22 and M-41-23 discussions.

The M-41 Tri-Party Agreement change package and the consent decree are out for public comment from March 3 through May 3, 1999. Materials have been sent to the Public Information Repositories and have been posted on the Internet. The public comment period will be extended to approximately May 17, 1999 on this change request to be inclusive of a public meeting in Hood River, OR, currently scheduled for May 12, 1999. The parties have agreed that work will proceed as proposed in the Consent Decree.

**Change Request M-45-98-03
SST Corrective Action
Groundwater/Vadose Zone**

Dispute resolution for proposed SST corrective action elevated to IAMIT on August 21, 1998. Dispute resolution and corrective action request suspended on September 11, 1998. Negotiations scheduled October 7, 1998 through December 4, 1998. Extended through December 11, 1998. Dispute reinstated December 18, 1998 at IAMIT level. Dispute resolved January 8, 1999. Change package in public comment February 16, 1999 through April 1, 1999.

The public comment period will be extended to approximately May 17, 1999 on this change request to be inclusive of a public meeting in Hood River, OR, currently scheduled for May 12, 1999. The parties have agreed that work will proceed as proposed in the negotiated milestones.

M-40-07 Dispute

The dispute concerning completion of Interim Milestone M-40-07 (C-103 Ventilation System) was invoked on April 9, 1997, and was extended at the IAMIT level through January 28, 1999. The dispute will be resolved when the Interim Stabilization Consent Decree is finalized.

Interim Stabilization Consent Decree

Status June 1, 1998 to April 11, 1999:

- Single-Shell Tanks (SSTs) 241-T-104, 241-T-110, 241-SX-104, 241-SX-106, 241-S-102, and 241-S-106 are being interim stabilized.
- Approximately 228,000 gallons of pumpable liquid waste removed, 3.7% of the original 6.2 M total gallons: T-104 pumped 27,754 gallons, T-110 pumped 28,913 gallons, SX-104 pumped 90,798, SX-106 pumped 40,875 gallons, S-102 pumped 27,998 gallons, S-106 pumped 11,827 gallons.
- S-102 pumping commenced March 18, 1999 and initial pumping criteria achieved March 25, 1999. 244-S by-pass has been complete for the S Tank Farm.
- S-106 pumping commenced April 16, 1999 and initial pumping criteria achieved April 25, 1999.
- Engineering and Field preparation work in progress to support Tanks S-103 and U-103 pump starts.

Potential Issue:

- The following key ORP activities are scheduled to occur within the August - October time frame:
 1. August - Cross-Site Transfer (2nd planned cross-site transfer in FY99), originating at DST SY-102,
 2. September - SY-101 Transfer to SY-102, and
 3. September/October - Initial U Farm Tank Pump Start.

Due to current procedural requirements, the above activities must be performed sequentially. If the above individual schedules are not maintained, other sequential schedules may be impacted.

Planned Activities:

- Prepare U-103, U-105, and S-103 for FY99 pumping starts
- Prepare U-Farm for an initial U-Farm tank start by October 1999 start
- Complete study that would support by-passing the U-DCRT
- Evaluate potential procedural changes necessary to allow continual pumping of tanks during DCRT or cross-site transfers
- Charter an integrated process improvement team for the Single-Shell Tank Interim Stabilization Project
- Determine method for retrieval of organic layer in Tank 241-C-103

Milestone M-32-00, "Complete Identified Dangerous Waste Tank Corrective Actions" Completed 6/94

*****DST INTERIM MILESTONE M-32-04 HAS BEEN COMPLETED. DST ASSESSMENT ACTIVITIES LISTED BELOW WERE NOT INCORPORATED INTO THE MILESTONE M-32-00*****

Status:

Design evaluation progress:

AW Tank Farm	50% complete
244-TX DCRT	55% complete
244-A DCRT	10% complete
241-A-350 Lift Station	40% complete
204-AR Waste Unloading Facility	10% complete
241-S-304 Catch Tank	Incorporating comments
241-UX-302A Catch Tank	95% complete
241-TX-302C Catch Tank	95% complete
241-U-301B Catch Tank	75% complete
241-AZ-151 Catch Tank	45% complete
241-ER-311 Catch Tank	45% complete
241-AX-152 Catch Tank	30% complete

Planned Activities:

- Complete AN-105 UT examination.
- Complete AY-102 UT examination.
- Complete 241-S-304 Catch Tank visual examination.

Milestone M-40-00, "Mitigate/Resolve Tank Safety Issues for High Priority Watchlist Tanks"

Status:

- Work on M-40-12 "Resolve Nuclear Criticality Safety Issue" is on schedule (9/99).

Issues:

- M-40-07 dispute to be resolved with the approval of the Interim Stabilization Consent Decree.

- Level rise in SY-101 has a potential to impact M-40-00 for that tank.

Planned Activities:

- Review SY-101 Level Rise Remediation Project Plan for TPA milestone or other program impacts.
- Submit organic solvent documentation to DOE-HQ to resolve safety issue.
- Continue to refine the analysis tool and framework for DST and SST safety issue resolution and removing tanks from the Watchlist.

Milestone M-43-00, "Tank Farm Upgrades"

Planned Activities:

- Complete design of the Master Pump Shutdown Package by February 2000.
- Complete design activities for the new "200E Waste Transfer System" by August 1999.
- Continue construction activities on the AN Farm Upgrades package, complete by July 2002.

Milestone M-44-00A, "Issue Tank Characterization Reports (TCRs) Based on Process Knowledge, Prior Characterization Data, and Validated Empirical Data Acquired After May 1989 for 177 Hanford High Level Waste Tanks"

Status:

- Beginning this year, the TSB (Technical Sampling Basis) and WIRD are being combined into one document to be released in accordance with the FY 2000 WIRD development schedule (M-44-13C and M-44-14C). Initial draft of the FY 2000 TSB-WIRD remains in preparation. Internal review is expected to occur in April. Draft TSB-WIRD is due to DOE on June 15 and to Ecology on June 30, 1999, to complete TPA milestone M-44-13C.
- Obtained two grab samples from AY-102 and one from U-103, completed the third SY-101 core sample, and two vapor samples were obtained from C-106 duct and 702-AZ duct. Sampling status as of April 4, 1999 is as follows:

	Tanks Scheduled/Completed	Samples Scheduled/Complete	FY 1999 Commitment
Auger	0/0	0/0	0
Push	1/1	3/3	21
Rotary	2/1	3/2	
Vapor	0/0	0/0	0
Grab	6/6	6.2/6.2	21

- No Laboratory Analytical Reports (LARs) were completed this month.
- Plan to deliver a total of 17 new and revised Tank Characterization Reports (TCRs) for FY 1999, currently 52.1% complete.

Privatization:

- FY 1999 activities are complete. Current actions support FY 2000 shipments.
- Modifications to the PAS-1 casks are required to support FY 2000 activities. The cost of this new scope has been estimated, and efforts are being made to incorporate the work into the FY 1999 Multi-Year Work Plan.

Sampling:

- Investigation into cause for RGS sampler failure revealed a generic problem with consistency of materials in pintle rod, retainer ring and assembly of the samplers. A near term solution has been implemented that will ensure sufficient, reliable samplers for SY-101 RGS samples, TX-113, and other scheduled core samples. Alternative designs that are less dependent on surface hardness of materials are being evaluated to provide a long-term reliability improvement.
- The knife edge seal sampler insert will be deployed for the second core scheduled on TX-113. This is expected to result in improved recovery of sample material.

Partnering Team Meetings:

- On March 12, 1999, a meeting of the Partnering Team was held during which an outline for the FY 2000 TSB-WIRD was reviewed.

Issues:

- No issues to report for the month of March.

Planned Activities:

- M-44-13C: Submit Draft Waste Information Requirements Document (WIRD) to Ecology for FY 2000; Due Date 6/30/99.
- M-44-14C: Submit Final Waste Information Requirements Document (WIRD) for FY 2000 to Ecology; Due Date 8/31/99.
- M-44-15C: Issue Characterization Deliverables Consistent with Waste Information Requirements Document (WIRD) Developed for FY 1999; Due Date 9/30/99.
- M-44-16C: Complete input of Characterization data for HLW Tanks for which sampling and analysis were completed per the FY 1999 Waste Information Requirements Document (WIRD) into electronic database. Provide offsite access to the database to EPA and Ecology; Due Date 9/30/99.

Milestone M-45-00, "Complete Closure of All Single-Shell Tank Farms"

• M-45-02D: SST Retrieval Sequence

- Will meet milestone 9/30/99
- Current Tank Waste Remediation System Operations and Utilization Plan (TWRSOUP) under review by RL. TWRSOUP has sequencing alternative(s) to meet recent BNFL waste delivery requirements consistent with retrieval strategy of the Mission Analysis Report identifying a new risk based SST retrieval sequence for phase 2 of which Ecology was briefed on in December.

• M-45-03A: C-106 Sluicing

Status:

- As of March 28, 1999, an estimated 25 in. of sludge has been transferred to tank AY-102 from C-106 in mostly 3 batches
- Batch transfer of March 28, 1999 was successfully run for 10 hours, and transferred an estimated 7 in. of sludge
- Peak VOC level was 128 ppm compared to 234 ppm earlier
- Solids return was between 4-6% compared to 10-14% earlier
- Workers in the C-farm were under respiratory protection
- RL approved the request to proceed with the 2nd campaign
- Ecology approved the revised NOC with 500 ppm limit on VOC
- Solids settling in AY-102 is better than the earlier estimate
- Industrial Hygiene report on the details of organics, and the worker protection needs will be completed in April
- Planned transfer of April 16 was cancelled due to C-106 temperature above the 220 degrees limit
- C-106 temperature is steadily declining and currently below 218 degrees

Issues:

- Solids return may not be as anticipated, which may need more batches to transfer
- Waste settling in AY-102 may not be as good as the current trend

Planned Activities:

- Next sluicing to transfer the 3rd ft. of waste is rescheduled for April 23, 1999

Had new milestones

Dana, we can meet with wk. Defn of what completion means

- Sluicing to transfer the 4th ft. of waste is planned for May 7, 1999
- M-45-09D: Leak Monitoring/Detection and Mitigation
 - Will meet milestone 9/30/99
 - Efforts underway to assess and integrate risk-based leak loss analyses utilizing uncertainty into leak detection for phase 2 sequencing. Briefed Ecology February 26, 1999 on Retrieval Performance Evaluation draft final which has developed this methodology. Meetings underway with C-102/104 project team to assess applicability of methodology to near-term tank selection criteria, phase 1. Ecology has been briefed on tank selection process Alternative Generation Studies (AGA) and have requested update briefing on tank selection and leak loss which will be accommodated.

Planned Activities:

- Ecology and DOE will tentatively meet the first week of May to discuss DST/SST retrieval planning and activities.

Milestone M-46-00, "Double-Shell Tank Space Evaluation"

Status:

- DST Decision Study underway and will be provided to Ecology in the April-May time frame.

Issues:

- No issues to report.

Planned Activities:

- Begin development of OWWP for Rev. 25 in April-May time frame.

Milestone M-50-00, "Complete Pretreatment Processing of Hanford Tank Wastes"

Milestone M-51-00, "Complete Vitrification of Hanford High Level Tank Wastes"

Milestone M-60-00, "Complete Vitrification of Hanford Low Level Tank Wastes"

Milestone M-61-00, "Complete Pretreatment and Immobilization of Hanford Low Activity Tank Wastes"

Contract Deliverables (Through June 1999)

Item #	Contract Description	BNFL Schedule
B-1-1	Project Management Plan	10/24/98
B-1-2	Integrated Master Plan (Part B-1)	11/23/98
B-1-6	Development Requirements Document	11/23/98
B-1-9	Engineering and Design Standards Requirement Document	11/23/98
B-1-10	Functional Specifications	11/23/98
B-1-11	Basis of Design Document	11/23/98
B-1-13	Facility Design and Operations Philosophy	11/23/98
B-1-30	Quality Assurance Provisions document	11/23/98
B-1-51	Business and Finance Schedule	11/23/98
B-1-18	Engineering Execution Plan	11/23/98
B-1-8	Pilot Melter Basis of Design Document and Copies of Test Plans	12/15/98
B-1-39	Draft Risk Assessment Work Plan	12/18/98
B-1-3	Initial Cost Documentation Package	12/22/98
B-1-20	System Analysis and Optimization Studies	12/22/98
B-1-60	Estimate of Termination Obligations	12/22/98
B-1-2	Integrated Master Plan (updated for all of Part B)	12/22/98
B-1-30	Quality Assurance Provisions document Revision 1	2/22/99
B-1-33	Design Safety Features Document	2/24/99
B-1-49	Financing Plan (Initial Draft)	2/24/99
B-1-55	Project Facility Financial Pro-Forma (Draft)	2/24/99
B-1-70	Draft - Rev 3 Infrastructure Interface Control Documents	2/24/99
B-1-35	Dangerous Waste Permit Application (Draft)	3/24/99
B-1-5	Monthly Status Report	3/31/99
B-1-38	Prevention of Significant Deterioration (PSD) Analysis	4/24/99
B-1-40	Final Risk Assessment Work Plan	4/30/99
B-1-5	Monthly Status Reports	4/24/99
B-1-50	Financing Plan - Final	5/24/99
B-1-52	Project Documents to Support Financing (Draft)	5/24/99
B-1-5	Monthly Status Report	5/28/99
B-1-41	Screening Level Risk Assessment	6/8/99
B-1-5	Monthly Status Report	6/30/99

Note: Deliverables that are shown in bold have been received.

Status:

- All BNFL deliverables and DOE reviews have been completed on schedule
- Pricing/re-pricing Contract negotiations underway

- Comments on 180-day deliverables provided to BNFL on March 23 and 31, 1999
- Decision papers on TWRS-P System Analysis and Optimization Studies are being completed; preliminary decision made on all studies
- Pilot scale melter on schedule and operational
- 6-Month decision criteria applied and results presented to ORP Executive Board on March 24, 1999
 - Recommendation made and accepted that DOE should continue with BNFL contract
 - Issues identified and action plans developed to address these issues.

Milestone M-90-00, "Complete acquisition of new facilities, modifications of existing facilities, and/or modifications of planned facilities, as necessary to conduct interim storage of Immobilized High Level Waste and storage/disposal of Immobilized Low Activity Tank Waste"

Status:

- M-90-01, Submit Interim Storage and Disposal ILAW and Interim Storage IHLW PMPs to Ecology (12/97)
 - Revised PMPs are scheduled for September 1999.
- M-90-05T, Submit final ILAW disposal facility Performance Assessment to Ecology for review (12/01)
 - Performance Assessment has been transmitted to DOE-HQ and Ecology (6/98).
 - Performance Assessment is undergoing review by the DOE-HQ Low-Activity Waste Federal Review Group (LFRG). *Preliminary draft report recommended "rejection" of the PA based on lack of evidence glass will meet assumed performance, lack of ability to demonstrate performance, and lack of specific design details. RL disagreed and has transmitted a point-by-point response.*
- M-90-07T, Complete ILAW disposal facility conceptual design (6/00)
 - *ILAW alternative analysis was completed on 1) new concrete vault facility versus 2) grout vaults plus smaller new facility.*
 - *Ranking was extremely close. New facility offered slightly lower life cycle cost and grout vaults offered reduced near-term capital requirements.*
 - *DOE has tentatively decided to adopt grout vault alternative and pursue reductions in cost of new facility.*

- **M-90-11, Complete canister storage building construction**
 - *IHLW alternatives study complete. DOE accepts contractor recommendation to stay with canister storage building.*
- **M-90-12, Submit revised canister storage facility Part A (06/99)**
 - NOI for Project W-464 prepared and submitted 1/15/99.
 - DOE-RL is currently planning to meet M-90-12.

M-20-00, Submit Part B Permit Applications

- **M-20-56, Submit canister storage facility Part B (12/00)**
 - On hold pending completion of IHLW alternatives analysis, TPA negotiations for TWRS privatization, and need date for permits.
- **M-20-57, Submit interim ILAW facility Part B permit application to Ecology (12/2000)**
 - On hold pending completion of ILAW alternatives analysis, TPA negotiations for TWRS privatization, and need date for permits.

Issues:

- Modification of Project W-465 scope from storage to disposal has not been resolved.
- DOE will be requesting sealed source determination for IHLW canisters and ILAW containers from DOH.
- Revisions to the privatization contract have changed the need dates for Projects W-464, W-465, and W-520; dates are no longer consistent with TPA M-90 and M-20 milestone dates.

Planned Activities:

- Submit M-90 and M-20 Change Request for W-465 scope change to Ecology for consideration (depending on recommended alternatives).
- Rebaseline ILAW and IHLW plans in Multi-Year Program Plan.

Clean Air Act

- The NOC revision on Project W-320 for further sluicing of tank 241-C-106 was formally sent from RL to WDOE formalizing previous agreements on April 4, 1999.
- The Notice of New Source Review Exemption Request on Project W-314 was sent on March 22, 1999. No notice has been received to proceed with a NOC so in accordance with WAC 173-400-100(5)(c) the exemption should be approved by April 23, 1999.

DST Part B Permitting

- **Double-Shell Tank RCRA Part B Permit Application.**
 - Discussions are needed with the new Ecology TWRS Program and Permitting representatives regarding revision of the Part B permit schedule in response to the one-year extension granted by Ecology.
 - Eight chapters completed (Chapters 1, 5, 7, 8, 9, 10, 12, and 13).
 - Two chapters (6 and 11) and the recent revision to the DST Waste Analysis Plan (WAP) are with Ecology for review.
 - Five chapters are outstanding (Chapters 2, 3, 4, 14, and 15).

Final Safety Analysis Report (FSAR)

- Final FSAR approved March 31, 1999
- Transition plan from TWRS BIO to FSAR submitted to DOE for review.

Vadose Zone**Status:**

- **M-45-50: Complete development of a spectral gamma logging baseline for SST farms (9/29/00)**
 - The logging of 73 boreholes has been completed FY to date. Relogging of boreholes is ahead of schedule. The A Tank Farm Report was completed and issued ahead of schedule, this completes the target TPA milestone M-45-50-T01.
 - Relogging for B, T, and U Tank Farms will be completed. High-rate logging equipment will be assembled, calibrated, and deployed. The T Tank Farm Report will be issued.
- **M-45-51: Submit to Ecology for review and approval as an Agreement primary document DOE's Phase 1 RFI/CMS Work Plan for Single-Shell Tank (SST) Waste Management Areas (WMAs) (8/31/99)**
 - The six workshops to form the bases for the RFI/CMS work plan have been completed. The outline for the work plan and work plan addenda has been endorsed. The programmatic and regulatory framework for the work has been established. Initial prioritization of objectives has resulted in identification of the corrective measures objectives as the immediate priority.

- There are several open items from the workshop that will be discussed with the work shop participants during the next several weeks. Emphasis will be placed on identifying lower-tier objectives for the corrective measures activities that will form the basis for the subsequent site-specific work plan addenda.
- **M-45-52: Submit to Ecology for review and approval as an Agreement primary document a site-specific SST WMA Phase 1 RFI/CMS Work Plan addenda for WMA S-SX (10/29/99)**
 - Preliminary planning for the site-specific DQO meetings for WMA S-SX has been initiated. Completion of the RFI/CMS workshops (see M-45-51) will form the bases of the site-specific work plan. Resolution of open items from the workshops will be completed prior to the DQO meetings to be conducted for the site-specific work plan.
 - Planning and conducting DQO meetings for the WMA S-SX will be completed. The DQO report and the site-specific work plan for WMA S-SX will be prepared.
- **M-45-52-T01: Submit to Ecology for review and approval as an Agreement secondary document a Preliminary site-specific SST WMA Phase 1 RFI/CMS Work Plan addenda for WMA S-SX (4/30/99)**
 - The Draft Preliminary Site-Specific SST WMA Phase 1 RFI/CMS Work Plan for WMA S-SX has been completed and is undergoing internal LMHC and DOE review 4/12/99 through 4/15/99. Included in the planning for new field characterization efforts to commence this summer, are the decommissioning of borehole 41-09-39 and vadose zone sampling during installation of planned RCRA groundwater assessment wells.
 - Comment resolution and modifications to the Draft Preliminary work plan will be completed. The Draft work plan is on schedule for submittal to Ecology by 4/30/99. Upon resolution of Ecology comments, the work plan will be revised and issued for approval.
- **M-45-56: Complete implementation of agreed-to interim measures (TBD)**
 - The contract to develop an engineering study for Interim Measures has been awarded. The contractor has initiated activities and is gathering historical and current drawings/information.
 - LMHC Tank Farm Operations initiated field activities to upgrade borehole caps. Sixty-five out of 70 caps have been upgraded in the T Farm; 65 out of 95 caps have been upgraded in the TX farm; and 10 out of 21 caps have been upgraded in the TY farm.
 - Ecology and DOE to meet for the specific purpose of assessing the adequacy of information and the need for the establishment of additional Agreement interim measures.

- **M-45-56-T01: Summarize results of engineering studies and recommendations on isolating water lines in or near SST WMAs, sealing abandoned wells in or near SST WMAs, and controlling surface drainage at SST WMAs and submit these results to Ecology (10/15/99)**
 - The contract to develop an engineering study for Interim Measures has been awarded. The contractor has initiated activities and is gathering historical and current drawings/information.
 - Water lines within 200 meters of the tank farms will be assessed to determine if they should be isolated or if they are still required. Lines will be identified that can not be isolated (e.g., still in use) but may present a problem. Noncompliant wells in the tank farms will be identified by construction type, depth, and diameter. For those wells that are still in use, fitness for use justifications will be prepared. Other noncompliant wells will be identified for decommissioning. The surface contours of the tank farms will be reviewed for potential drainage problems and recommended actions will be identified. The work is progressing on schedule for completion by September 30, 1999.
- **M-45-57: Complete upgrading of leak-tight caps on monitoring drywells around SSTs (6/30/99)**
 - LMHC Tank Farm Operations initiated field activities to upgrade borehole caps. Sixty-five out of 70 caps have been upgraded in the T Farm; 65 out of 95 caps have been upgraded in the TX farm; and 10 out of 21 caps have been upgraded in the TY farm.
 - Upgrading of leak-tight caps will be completed. This work is on schedule to be completed by 6/30/99.
- **M-45-59-T01: Summarize results of Innovative Treatment Remedial Demonstration workshop, with conclusions and recommendations for test and evaluation of interim surface barrier concepts and submit these results to Ecology (7/31/99)**
 - The TechCon Forum for reducing surface infiltration within the SST farms is scheduled for May 4, 5, and 6 in Richland. An Internet web site was set up at which potential vendors, interested in participating in the workshop, could supply information on experience and capabilities.
 - Selection of vendors to participate in the workshop will be completed and the workshop will be held. A workshop report will be submitted following the workshop. Plans for testing and demonstration of interim surface barriers will be developed following the workshop.

Public Involvement

- Health Safety and Waste Management Committee
 - May 12, 1999, Richland
 - June 9, 1999, Richland
- Hanford Advisory Board
 - June 3-4, 1999, Spokane
- Dollars and Sense Committee
 - May 11, 1999, Richland.