

Tri-Party Agreement Milestone Review – Office of River Protection
August 27, 2002
Meeting Minutes

Approval: *Michael A. Wilson* Date: 12/4/02
 Michael A. Wilson (B5-18)
 Chairperson and Ecology IAMIT Representative

Approval: *Joel Heddon for* Date: 12/17/02
 W. Wade Ballard (A5-12)
 RL IAMIT Representative

Approval: *James E. Rasmussen* Date: 12/19/02
 Jim E. Rasmussen (H6-60)
 ORP IAMIT Representative

Approval: *Nick Ceto* Date: 12/14/02
 Nick Ceto (B5-01)
 EPA IAMIT Representative

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Minutes Prepared by:

Approval: *Eileen J. Murphy-Fitch* Date: 12/17/02
 Eileen J. Murphy-Fitch (A1-14)
 Fluor Hanford, Inc.

EDMC

Aromi, E. S.	CHG	H6-63	Mattlin, E.	RL	A5-15*
Brown, M.	Ecology	B5-18*	Miera, F. R.	CHG	R1-31*
Bryson, D. E.	ORP	H6-60	Morrison, R. D.	FH	A1-14*
Burandt, M. E.	ORP	H6-60	Murphy-Fitch, E. J.	FH	A1-14*
Buxbaum, M.E.	FH	B3-53	K. Niles	ODOE*	
Clark, C. E.	RL	A5-15*	Piippo, R. E.	FH	A1-14
Cruz, J.	ORP	H6-60	Rasmussen, J. E.	ORP	H6-60
Cusack, L.	Ecology	B5-18*	Riess, M. J.	CHG	H9-03*
Dahl, S.	Ecology	B5-18*	Russell, W.	ORP	H6-60*
DeWitt, K.	Ecology	B5-18	Singleton, D.	Ecology	B5-18
Dixon, B. T.	CHG	R1-51	Skinnarland, E. R.	Ecology	B5-18
Fowler, S. B.	CHG	H6-22*	Sobczyk, S.	Nez Perce	
Gay, R.	CTUIR		Stanley, R.	Ecology	Lacey*
Hales, J. E.	FH	A1-14	Taylor, W.	ORP	H6-60*
Heddon, J.	RL	A5-12*	Williams, D. J.	ORP	H6-60*
Hedges, J.	Ecology	B5-18*	Yasek, R.	ORP	H6-60
Henry, D.	ODOE*		Yerxa, J. K.	RL	A5-15
Hertzfel, J. S.	FH	A1-14	Administrative Record	EDMC	H6-08*
Irby, D.	ORP	H6-60*	File: TPAM_08_02.doc *w/Attachments		
Iwatate, D. F.	FH	A1-14*			
Jim, Y.	YIN				
Jarayssi, M. N.	CHG	S7-20*			
Keggen, D.	Ecology	B5-18*			
Lober, R.	ORP	H6-60			
Liou W.	ORP	H6-60			

**Office of River Protection Tri-Party Agreement Milestone Review
August 27, 2002**

FY 2002 ORP Tri-Party Agreement Milestone Performance

Start: 9:15 a.m.
End: 9:20 a.m.

Clarification was provided on page 40 of the presentation. The text following the table describes CHG activities only and does not include the other contractors. The table accurately depicts actual ORP cost and schedule performance.

Ecology and ORP continue working on an agreeable critical path approach. ORP proposed that the parties select one key activity/milestone/outcome to determine how the product could be tracked using Critical Path. When agreed to, the process will be used as a template for other critical path activities. The project managers will continue to work this and will provide status at the next ORP Tri-Party Agreement Milestone Review (November 19, 2002).

Action: Arrange follow-on meetings. Attendees will include ORP, CHG and the regulatory agencies.

Actionee: Jim Rasmussen (ORP)

M-023. Tank Integrity and Monitoring

Start: 9:20 a.m.
End: 9:25 a.m.

Action: The parties agreed to extend the comment review period for Tri-Party Agreement Interim Milestones M-23-23, Submit SST System Leak Detection and Monitoring F&R Document. ORP will prepare the extension letter.

Actionee: Jim Rasmussen (ORP)

Interim Stabilization (Consent Decree)

Start: 9:25 a.m. (Andy)
End: 9:50 a.m.

The reduction of total liquids to 18 percent of total volume from the SSTs (D-001-12V) is behind schedule. Although the schedule is tight, ORP believes the milestone can be completed by the September 30, 2002, compliance date.

Action: Follow-on meeting requested to run through the methodology used for computing what is in the tank and how to validate the volumes.

Actionee: Jim Rasmussen (ORP)

M-044-00, Tank Waste Characterization

Start: 9:50 a.m.
End: 10:00 a.m.

Milestone will be completed by September 30, 2002, and the major milestone series closed. ORP and Ecology will develop all tank waste DQO's to support the sampling and analysis of DST and SST as well as annual characterization sampling priority workshop until DST closure. ORP will status Ecology on a quarterly basis.

M-045-11, Complete 244-AR Vault Interim Status Actions

Start: 10:00 a.m.
End: 10:10 a.m.

No significant issue/concerns resulting in follow-on action were identified during the presentation. This workscope might be a candidate for the critical path discussion at the November 2002 Tri-Party Agreement Milestone Review.

M-048-00, DST Integrity Assessment Program

Start: 10:20 a.m.
End: 10:25 a.m.

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

M-046-00, DST Space Evaluation Status Actions

Start: 10:25 a.m.
End: 10:30 a.m.

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

M-047-00, Tank Waste Treatment, Storage and Disposal Facilities

Start: 10:30 a.m.
End: 10:35 a.m.

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

M-045-00, SST Closure

Start: 10:35 a.m.
End: 10:45 a.m.

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

M-045-50, 60 SST Corrective Action

Start: 10:45 a.m.
End: 10:55 a.m.

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

M-043-00, Tank Farm Upgrades

Start: 10:55 a.m.
End: 11:00 a.m.

Discussions were initiated with Ecology on the M-043 Closure Strategy Document.

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

M-062, Complete Pretreatment Processing and Vitrification of Tank Wastes

Start: 11:10 a.m.
End: 11:25 a.m.

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

M-092-05, Inclusion of Hanford Site Cs/Sr Treatment and/or Repackaging Parameters in DOE TWRS
Phase II Request for Proposals

Start: 11:25 a.m.
End: 11:27 a.m.

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

M-090-00, Complete Acquisition of Facilities for Interim Storage of IHLW and Storage/Disposal of
ILAW and M-20 Part B Permits

Start: 11:26 a.m.
End: 11:50 a.m.

Action:

Ecology staff raised concerns over the conflicts between the permitting schedule outlined in the Tri-Party Agreement Action Plan, Section 9.2 and ILAW Disposal Facility milestones recently

approved by the agencies management as a part of the M-062-06 Recovery Plan. A common understanding on sequence, durations, etc., is necessary.

Actionee: Jim Rasmussen (ORP)/Joel Hebdon (RL-RCA)/Jeff Lyons (Ecology)

Action: Review schedules for permit review.

Actionee: Jeff Lyon (Ecology)

Action: Regulatory discussion on the need for a liner for disposal of the melters. Identify path forward for disposal of failed melters/ILAW (dispose in a dedicated facility or use a “mega trench” concept discussed during C3T activities.

Actionee: Lori Hoffman (ORP)

Agenda

Office of River Protection Tri-Party Agreement

Quarterly Review

August 27, 2002

EPA Conference Room

712 Swift Blvd., Suite 5

9:00 a.m. – 11:00 a.m.

Topic	Leads	Time
• FY 2002 ORP Tri-Party Agreement Cost & Schedule Performance and TPA Milestone Statistics	Jim Rasmussen/ Woody Russell/ Suzanne Dahl/ Jeff Lyon	9:00
• ORP Critical Path Related to Sections 4.1 and 11.8	Jim Rasmussen/ Woody Russell/ Jim Navarro	9:05
• M-23, Tank Integrity and Monitoring	Jim Rasmussen/ Woody Russell/ Deb Williams/ Jeff Lyon	9:10
• Interim Stabilization (Consent Decree)	Dana Bryson/ Andy Stevens/ Nancy Uziemblo	9:15
• M-44-00, Tank Waste Characterization	Delmar Noyes/ Wen-Shou Liou/ Debra Singleton	9:20
• M-45-11, Complete 244-AR Vault Interim Status Actions	Delmar Noyes/ Harold Stafford/ Jeff Lyon	9:40
• DST Integrity Assessment Program	Delmar Noyes/ Vic Callahan/ Brenda Jentzen	9:45
• M-46-00, Double-Shell Tank Space Evaluation	Delmar Noyes/ Joe Cruz/ Jeff Lyon	9:50
• M-47-00, Tank Waste Treatment, Storage and Disposal Facilities	Delmar Noyes/ Joe Cruz/ Steve Lijek	10:00
• M-45-00, Single-Shell Tank Closure	Delmar Noyes/ Bob Lober/ Dick Heggen	10:10
• M-45-50, 60 Single-Shell Tank Corrective Action	Delmar Noyes/ Rob Yasek/ Joe Caggiano	10:20
• M-43-00, Tank Farm Upgrades	Bill Taylor/ Bobby Williams/ Stephen Lijek	10:25
• M-62, Complete Pretreatment Processing and Vitrification of Tank Wastes	Bill Taylor/ Mark Ramsay/ Suzanne Dahl	10:30
• M-92-05, Inclusion of Hanford Site Cs/Sr Treatment and/or Repackaging Parameters in DOE TWRS Phase II Request for Proposals	Bill Taylor/ Mark Ramsay/ Suzanne Dahl/ Jeff Lyon	10:40
• M-90-00, Complete Acquisition of Facilities for Interim Storage of IHLW and Storage/ Disposal of ILAW and M-20, Part B Permits	Bill Taylor/ Phil LaMont/ Suzanne Dahl	10:45
• Review of new commitments and actions	Jim Rasmussen/ Woody Russell/ Suzanne Dahl/Jeff Lyon	10:55

ATTENDEES

**Tri-Party Agreement Milestone Review
August 27, 2002**

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>	<u>ATTACHMENTS</u>
<u>Eileen Murphy</u>	<u>FH TPA</u>	<u>A7-14</u>	<u>_____</u>
<u>Jeff Lyon</u>	<u>Ecology</u>	<u>_____</u>	<u>yes</u>
<u>Woody Russell</u>	<u>ORP</u>	<u>H6-60</u>	<u>yes</u>
<u>Paul Hudson</u>	<u>RL-RCA</u>	<u>_____</u>	<u>yes</u>
<u>Nick Ceto</u>	<u>U.S. EPA</u>	<u>_____</u>	<u>yes</u>
<u>Laura Cusack</u>	<u>Ecology</u>	<u>_____</u>	<u>yes</u>
<u>Jim Rasmussen</u>	<u>ORP-EMD</u>	<u>H6-60</u>	<u>yes</u>
<u>DEBORAH WILLIAMS</u>	<u>ORP-OMD</u>	<u>H6-60</u>	<u>NO</u>
<u>Andy Stevens</u>	<u>ORP-OMD</u>	<u>H6-60</u>	<u>No</u>
<u>Melinda Brown</u>	<u>Ecology</u>	<u>_____</u>	<u>Yes</u>
<u>Delmar Noyes</u>	<u>ORP-BO</u>	<u>H6-60</u>	<u>_____</u>
<u>Felix Mizeva</u>	<u>CHG</u>	<u>R1-51</u>	<u>Yes</u>
<u>Sandra Fowler</u>	<u>CHG</u>	<u>R1-51</u>	<u>yes</u>
<u>Jan Landeen</u>	<u>Nrc Pnce</u>	<u>_____</u>	<u>_____</u>
<u>Laura Rund</u>	<u>Ecology</u>	<u>_____</u>	<u>_____</u>
<u>Allen Dagan</u>	<u>RL-RCA</u>	<u>_____</u>	<u>_____</u>
<u>Deborah Singleton</u>	<u>Ecology</u>	<u>_____</u>	<u>_____</u>
<u>Brenda K. Carter</u>	<u>Ecology</u>	<u>_____</u>	<u>_____</u>
<u>Nancy Wziemblo</u>	<u>Ecology</u>	<u>_____</u>	<u>_____</u>
<u>HAROLD STAFFORD</u>	<u>ORP</u>	<u>H6-60</u>	<u>YES</u>
<u>Wen-shen Lien</u>	<u>ORP</u>	<u>H6-60</u>	<u>yes</u>
<u>Deborah Jwalak</u>	<u>FH TPA</u>	<u>A1-14</u>	<u>yes</u>
<u>Dana Bryson</u>	<u>DOE-ORP</u>	<u>H6-60</u>	<u>no</u>

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Office of River Protection

**Tri-Party Agreement
Quarterly Milestones Review**

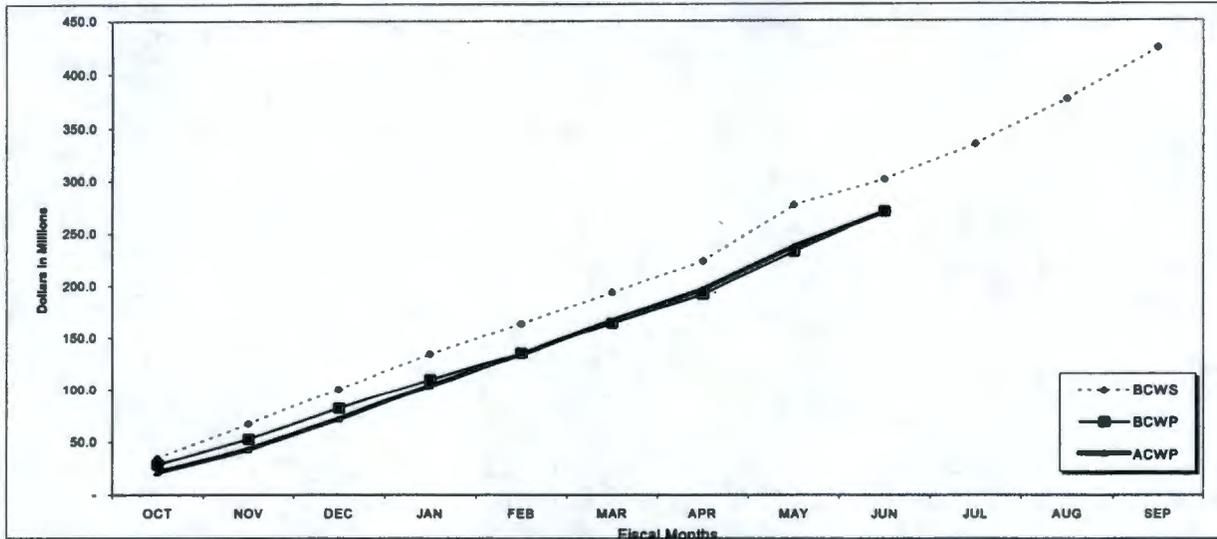


**U.S. Department of Energy
U.S. Environmental Protection Agency
Washington State Department of Ecology**

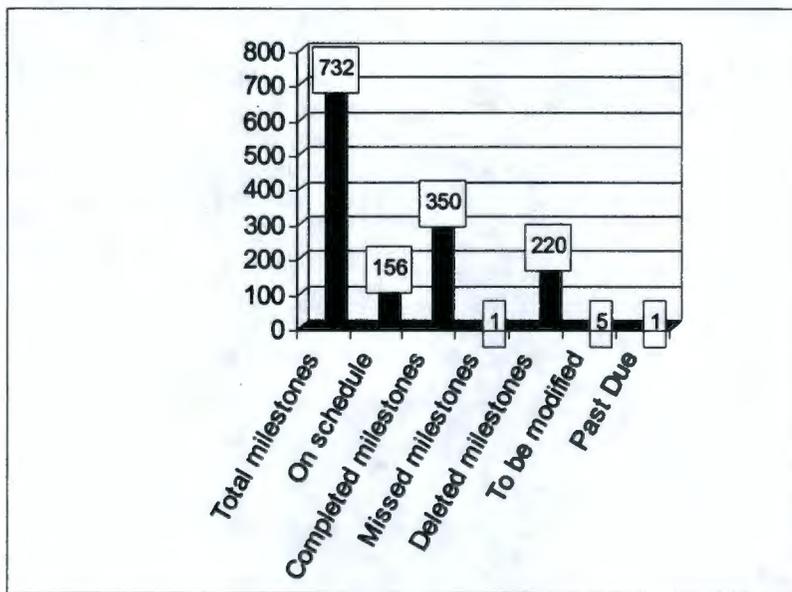
August 27, 2002

Cost/Schedule Performance

CH2M HILL HANFORD GROUP, INC.
 FY 2002 - ALL DIRECT FUNDED ACTIVITIES (CHG/ORP/PNNL)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
FY02 CURRENT APPROVED PERFORMANCE MEASUREMENT BASELINE												
CURRENT PERIOD												
BCWS	35.0	32.6	33.1	34.2	28.9	30.3	29.6	53.7	24.3	33.8	41.6	47.4
BCWP	28.8	24.0	29.5	28.0	25.5	28.5	27.8	40.9	38.2			
ACWP	21.4	21.8	29.0	32.1	30.6	32.1	29.7	41.0	33.2			
CUMULATIVE YEAR TO DATE												
BCWS	35.0	67.6	100.7	134.9	163.8	194.1	223.7	277.4	301.7	335.5	377.1	424.5
BCWP	28.8	52.8	82.3	110.3	135.8	164.3	192.1	233.0	271.2			
ACWP	21.4	43.2	72.2	104.3	134.9	167.0	196.7	237.7	270.9			
SV %	-17.5%	-21.7%	-18.3%	-18.2%	-17.1%	-15.3%	-14.2%	-16.0%	-10.1%			
CV %	25.7%	18.2%	12.3%	5.4%	0.7%	-1.6%	-2.9%	-2.0%	0.1%			



TPA Milestone Statistics

(Including target milestones)

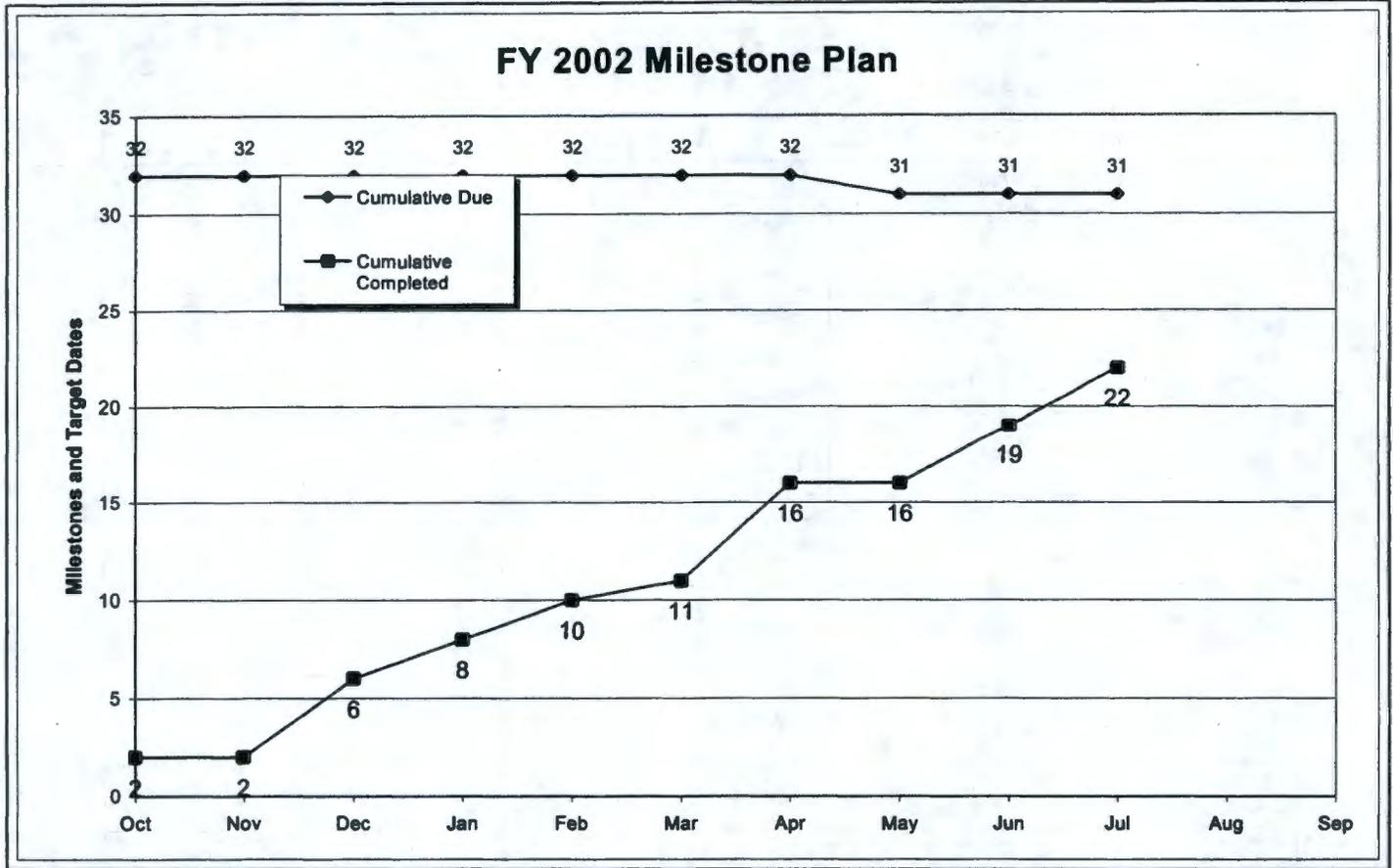
Milestone	Due Date	Total Active as of 8/27/02	Milestone Number	Due Date	Milestone Number	Due Date
M-20-00, Submit Part B Permit Application on Closure/Post Closure Plans for all RCRA TSD Units	2/28/2004 (M-20-00)	2	M-20-56	6/30/03	M-20-57	6/30/03
M-23-25, Tank Integrity and Monitoring	9/30/2004 (M-23-25)	7	M-23-25B M-23-23C	9/30/02 9/30/03	M-23-25D M-23-25E M-23-25F M-23-25 M-23-25G	9/30/03 9/30/03 3/31/04 9/30/04 9/30/04
M-43-00, Complete Tank Farm Upgrades	6/30/2005 (M-43-00)	2	M-43-16	6/30/03	M-43-00	6/30/05
M-44-0, Double and Single Shell Tank Characterization	9/30/2002 (M-44-00A)	3	M-44-00A M-44-15F	9/30/02 9/30/02	M-44-16F	9/30/02
M-45-00, Complete Closure of all SST Farms	9/30/2024 (M-45-00)	68	M-45-02 (total of 17 milestones) M-45-05-T16 M-45-55-T02 M-45-05D M-45-03D M-45-55-T03 M-45-11 M-45-00C M-45-55 M-45-05B M-45-05-T17 M-45-03G M-45-06-T06 M-45-03E M-45-03H M-45-03C M-45-05C M-45-05E M-45-06-T07A M-45-05A M-45-03I M-45-00B M-45-05-T05 M-45-06-T07B	9/30/01 & annually thereafter 10/30/02 10/31/02 12/31/02 5/31/03 6/30/03 9/30/03 2/28/04 2/28/04 3/31/04 4/30/04 6/30/04 6/30/04 9/30/04 9/30/04 9/30/04 9/30/05 11/30/05 6/30/06 6/30/06 9/30/06 9/30/06 9/30/06 9/30/07 6/30/08	M-45-05-T06 M-45-05-T07 M-45-06-T07C M-45-05-T08 M-45-00D M-45-05-T09 M-45-06-T03 M-45-06-T07D M-45-05-T10 M-45-05-T11 M-45-06-T04 M-45-06-T07E M-45-05-T12 M-45-05-T13 M-45-06-T07F M-45-05-T14 M-45-05-T15 M-45-06-T07G M-45-05 M-45-06-T07H M-45-06-T07I M-45-06-T07J M-45-06 M-45-00 M-45-03F M-45-06 M-45-05F M-45-60	9/30/08 9/30/09 6/30/10 9/30/10 6/30/11 9/30/11 3/31/12 6/30/12 9/30/12 9/30/13 3/31/14 6/30/14 9/30/14 9/30/15 6/30/16 9/30/16 9/30/17 6/30/18 9/30/18 6/30/20 6/30/22 6/30/24 9/30/24 9/30/24 TBD TBD TBD 6 months following RFI report approval

TPA Milestone Statistics (continued)

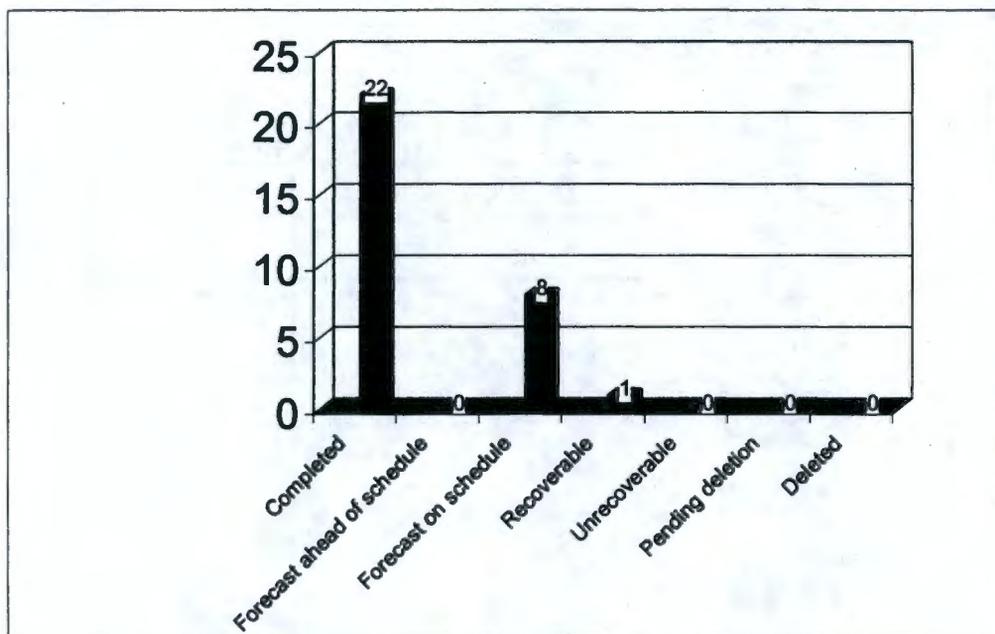
Milestone	Due Date	Total Active as of 8/27/02	Milestone Number	Due Date	Milestone Number	Due Date
M-46-00 , Double Shell Tank Space Evaluation	11/30/2006 (M-46-01M)	10	M-46-00I	9/30/02	M-46-01K	11/30/04
			M-46-01I	11/30/02	M-46-00L	9/30/05
			M-46-00J	9/30/03	M-46-01L	11/30/05
			M-46-01J	11/30/03	M-46-00M	9/30/06
			M-46-00K	9/30/04	M-46-01M	11/30/06
M-47-00 , Complete All Work for Phase 1 Operations	2/28/2018 (M-47-00)	9	M-47-05	5/31/04	M-47-00A	2/28/07
			M-47-03	7/30/04	M-47-04	6/30/07
			M-47-01	3/31/06	M-47-06	6/30/10
			M-47-05A	4/30/06	M-47-00	2/28/18
			M-47-02	3/31/07		
M-50-00 , Complete Pretreatment Processing of Hanford Tank Waste	12/31/2028 (M-50-00)	1	M-50-00	9/30/24		
M-51-00 , Complete Vitrification of Hanford High Level Tank Waste	12/31/2028 (M-51-00)	1	M-51-00	12/31/28		
M-61-00* (alternate path), Complete Pretreatment & Immobilization of Hanford Low Activity Tank Waste	12/31/2028 (M-61-00)	1	M-61-00	12/31/28		
M-62-00 , Complete Pretreatment Processing and Vitrification of Tank Wastes	12/31/2028 (M-62-00)	20	M-62-01 (total of 9 milestones)	Semi-annually beginning 7/31/00	M-62-07B	10/30/05
					M-62-03	12/31/06
					M-62-09	12/31/07
					M-62-10	1/31/11
					M-62-11	1/31/14
			M-62-07A	10/30/03	M-62-00A	2/28/18
			M-62-08	7/31/05	M-62-00	12/31/28
					M-62-12	TBD
M-90-00 , Interim Storage and Disposal of LAW and Interim Storage of HLW	TBD (M-90-00)	5	M-90-09-T01	5/30/03	M-90-10	8/31/08
			M-90-08	2/28/05	M-90-11	6/30/09
					M-90-00	TBD
M-92-05 , Inclusion of Hanford Site Cs/Sr treatment and/or repackaging parameters in DOE TWRS Phase II request for proposals	6/30/2003 (M-92-05)	1	M-92-05	6/30/03		
M-48-00 , DST Integrity Program, Submit Results of 4 DSTs not Previously Examined	9/30/2007	8	M-48-02E	9/30/02	M-48-13	9/30/05
			M-48-10	9/30/02	M-48-14	3/31/06
			M-48-11	9/30/03	M-48-15	9/30/07
			M-48-12	9/30/04	M-48-00	9/30/07

TPA Milestone Statistics (continued)

Milestone	Due Date	Total Active as of 8/27/02	Milestone Number	Due Date	Milestone Number	Due Date			
Interim Stabilization Consent Decree	9/30/2004 (D001-01)	18	D-001-12V	9/30/02	D-001-00-R18	10/31/03			
			D-001-00-R14	10/31/02	D-001-13-T01	9/30/03			
			D-001-13	11/30/02	D-001-00V	9/30/03			
			D-001-00-R15	1/31/03	D-001-06-T01	9/30/03			
			D-001-08-T01	2/28/03	D-001-00-R19	1/31/04			
			D-001-00-R16	4/30/03	D-001-00-R20	4/30/04			
			D-001-09-T01	6/30/03	D-001-00-R21	7/31/04			
			D-001-00-R17	7/31/03	D-001-01	9/30/04			
			D-001-11-T01	8/30/03	D-001-00-R22	10/31/04			
			Total Active Milestones:		156				



FY 2002 MILESTONE PERFORMANCE



Fiscal Year 2002 Tri-Party Agreement Milestone Status

Milestone	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Pending Deletion	Deleted
				Ahead of Schedule	On Schedule				
D-001-00-R10	SUBMIT QUARTERLY REPORT FOR TANK STABILIZATION ACTIVITES	10/31/01	X						
M-23-21	SUBMIT REVISED HAZARDOUS WASTE FACILITY APPLICATION FORM	10/31/01	X						
D-001-11	INITIATE PUMPING OF TANKS U-108, U-107, S-111, AND SX-102	12/30/01	X						
M-062-01D	SUBMIT SEMI-ANNUAL COMPLIANCE REPORT	7/31/02	X						
M-045-03-T03	SUBMIT S-112 FUNCTIONS AND REQUIREMENTS DOCUMENT	12/30/01	X						
M-024-00M	GROUNDWATER WELLS, UP TO 50/YEAR	12/3001	X						
M-045-03-T04	SUBMIT C-104 FUNCTIONS AND REQUIREMENTS DOCUMENT	12/31/01	X						
D-001-00-R11	SUBMIT QUARTERLY REPORT FOR TANK STABILIZATION ACTIVITES	1/31/02	X						
M-045-55-T01	SUBMIT SST WMA PHASE 1RFI/CMS FOR WMA S-SX	1/31/02	X						
M-23-22-T01	SUBMIT DOCUMENT IDENTIFICATION AND DESCRIPTION OF EXISTING SST IN-TANK S&M PROGRAM	2/28/02	X						
M-045-12-T01	SUBMIT AN OPTIONS REPORT (ACTIONS FOR INCREASE IN DST SPACE)	2/28/02	X						
M-046-01H	CONCURRENCE OF ADDITIONAL TANK ACQUISITION	3/15/02	X						
M-23-02-01	SUBMIT SST SYSTEM LEAK DETECTION AND MONITORING F&R DOCUMENT	6/15/02	X						
M-23-25A	COMPLETE THE INSTALLATION OF LIQUID OBSERVATION WELLS (LOWS) AND BEGIN LIQUID OBSERVATION	3/31/02	X						
M-043-15	START CONSTRUCTION FOR UPGRADES IN THE FOURTH TANK FARM	3/31/02	X						
D-001-04-T01	COMPLETE PUMPING OF U-103, U-105, U-102 AND U-109	4/15/02	X						

Milestone	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Pending Deletion	Deleted
				Ahead of Schedule	On Schedule				
D-001-00-R12	SUBMIT QUARTERLY REPORT FOR TANK STABILIZATION ACTIVITES	4/30/02	X						
M-045-00C	COMPLETE RENEGOTIATION OF 2 ND PHASE SST WASTE RETRIEVAL	5/31/02			X				
M-026-01L	SUBMIT ANNUAL HANFORD LAND DISPOSAL RESTRICTIONS REPORT	4/30/02	X						
M-23-24	SUBMIT SST SYSTEM INEGRITY ASSESSMENT REPORT	6/30/02	X						
M-045-06-T05	SUBMIT TANK FARM CLOSURE /POST-CLOSURE WORKPLAN UPDATE	6/30/02	X						
D-001-00-R13	SUBMIT QUARTERLY REPORT FOR TANK STABILIZATION ACTIVITIES	7/31/02	X						
M-062-01E	SUBMIT SEMI-ANNUAL COMPLIANCE REPORT	7/31/02	X						
D-001-12V	PERCENTAGE OF PUMPABLE LIQUID REMAINING IS <18%	9/30/02				X			
M-044-00A	COMPLETE DELIVERY OF INFORMATION REQUIREMENTS FOR WIRD	9/30/02			X				
M-044-15F	COMPLETE CHARACTERIZATION DELIVERABLES	9/30/02			X				
M-044-16F	COMPLETE INPUT OF CHARACTERIZATION INFORMATION INTO DATABASE	9/30/02			X				
M-046-00I	DOUBLE-SHELL TANK SPACE EVALUATION	9/30/02			X				
M-23-25B	COMPLETE THE INSTALLATION OF LIQUID OBSERVATION WELLS (LOWs) AND BEGIN LIQUID OBSERVATION	9/30/02			X				
M-045-02K	SUBMIT ANNUAL UPDATE TO SST RETRIEVAL SEQUENCE DOCUMENT.	9/30/02			X				
M-48-10	SUBMIT RESULTS OF (4) DST'S NOT PREVIOUSLY EXAMINED	9/30/02			X				
TOTAL			22	0	8	1	0	0	0

M-23, Tank Integrity and Monitoring**I. Near-Term Deliverables:**

- **M-23-21**, Submit Revised Hazardous Waste Facility Permit Application Form
Due: 10/30/01
Status: Complete
- **M-23-22-T01**, Submit Document Identification and Description of Existing SST In-tank S&M Program
Due: 2/28/02
Status: Complete. June 12, 2002 Ecology letter stating document is incomplete and unacceptable. DOE has not responded to this letter. Met with Ecology to discuss technical issues and answer questions.
- **M-23-23**, Submit SST System Leak Detection and Monitoring F&R Document
Due: 6/15/02
Status: Complete. Waiting on Ecology comments.
- **M-23-25A**, Complete the Installation of Liquid Observation Wells (LOWs) and Begin Liquid Observation
Due: 3/31/02
Status: Complete
- **M-23-24**, Submit SST System Integrity Assessment Report
Due: 6/30/02
Status: Complete
- **M-23-25B**, Complete the Installation of Liquid Observation Wells (LOWs) and Begin Liquid Observation. U-110 installed on 8/15/02. BY-108 installed on 8/18/02. A-106 and TY-105 installed on 8/25/02.
Due: 9/30/02
Status: On schedule.
- **M-23-25C**, Complete the Installation of Liquid Observation Wells (LOWs) and Begin Liquid Observation
Due: 3/31/03
Status: On Schedule
- **M-23-25D**, Complete the Installation of Liquid Observation Wells (LOWs) and Begin Liquid Observation
Due: 9/30/03
Status: On schedule
- **M-23-25E**, Procure Necessary Equipment to Support Additional LOW Monitoring Systems
Due: 9/30/03
Status: On schedule

- **M-23-25F**, Complete the Installation of Liquid Observation Wells (LOWs) and Begin Weekly Liquid Observation
Due: 3/31/04
Status: On schedule

- **M-23-25**, Complete the Installation of Liquid Observation Wells (LOWs)
Due: 9/30/04
Status: On schedule

- **M-23-25G**, Complete the Installation of Liquid Observation Wells (LOWs) and Begin Weekly Liquid Monitoring
Due: 9/30/04
Status: On schedule

II. Significant Accomplishments:

- DOE submitted M-23-23 and M-23-24 reports.

III. Significant Planned Actions in the Next Six Months:

- Complete installation of LOWs.

IV. Issues:

- Work to resolve comments on M-23-23 F&R.

Interim Stabilization Consent Decree**Near-Term Deliverables:**

- Reduce Total Liquids to 18% of Total Volume from SSTs (D-001-12V)
Due: 9/30/02
Status: Behind schedule, and at significant risk.
- Start Interim Stabilization of 5 SSTs - 241-U-111, 241-S-109, 241-S-112, 241-S-101, 241-S-107 (D-001-13)
Due: 11/30/02
Status: On schedule
- Reduce Total Liquids to 2% of Total Volume from SSTs (D-001-00V)
Due: 9/30/03
Status: On schedule
- Complete Interim Stabilization of all 29 SSTs (D-001-00)
Due: 9/30/04
Status: On schedule

Status:

- Thirteen (13) tanks are in pumping status - with eight (8) routinely pumping.
- Tank SX-105 is being evaluated for stabilization criteria by the Contractor.
- 2.27 million gallons have been removed. (2.1 million gallons at the end of the quarter.)
- 283,000 gallons were pumped during the quarter ending 6/30/02.
- The direct buried line serving the SX Farm was put back in service.
- Pumping from U-Farm was resumed.
- 241-U-111 was started.
- CHG has submitted data for pumping completion of 241-U-102. Pumping data is being reviewed by ORP for completion of pumping of 241-U-102 and 241-U-109. However, an anomaly has arisen with new data from 241-U-109.

Issues/Recovery:

- Restart of remaining pumps, and continued operation, must be on schedule in order to meet the September 30, 2002 milestone.

Planned Actions:

- Complete the stabilization evaluation for tank SX-105.
- Resolve maintenance issues and resume pumping of all tanks.

Issues:

- The number of hours pumping and pumps on-line has been increasing, but liquid drain rate within tanks has been slow. It is not yet possible to accurately predict results in meeting the Sept. 30, 2002 milestone.

Milestone M-44-00A, Complete delivery of information requirements as Identified in the annually submitted Waste Information Requirements Document (WIRD)

I. Deliverables:

- **M-44-15F:** Complete Characterization Deliverables Consistent with TSB-WIRD Developed for FY 2002.
Due: 9/30/02
Status: On Schedule
- **M-44-16F:** Complete Input of Characterization Information for HLW Tanks for which Sampling and Analysis was Completed Per the FY 2002 TSB-WIRD, into Electronic Database.
Due: 9/30/02
Status: On Schedule
- Work Schedule/Baseline Management – The Correlation between individual TPA milestones and RPP baseline will be addressed upon completion of the fully integrated RPP baseline.

II. Significant Accomplishments:

- Completed core samples from Tank 241-AZ-102
- Completed grab samples from Tanks 241-AP-107 and 241-AN-106.

Sampling status as of 08/08/02

	Sample Scheduled	Sample Completed	MYWP FY 02 Sampling Baseline
Core	6 (AN-105 , AP-105, AY-101, AY-102, AZ-102, AW-101)	5 (AN-105, AP-105, AY-101, AY-102, AZ-102)	6
Grab	10 (C-103, AP-102, AP-108, SY-102, AN-107, AN-102, UX-302A, AP-107, AN-106, BX-244)	9 (C-103, AP-102, AP-108, SY-102, AN-107, AN-102, UX-302A, AP-107, AN-016)	11

- Completed eight Tank Characterization Reports for the current FY.
- A Partnering Team meeting was held on 7/10/02 to request the delay of grab sampling from tank 241-U-107 to future year.
- Completed and submitted the Third Quarter TSB-WIRD Status Report by 10/31/02.

III. Significant Planned Actions within the Next Six Months:

- Complete TPA Milestone M-44-15F and M-44-16F by 9/30/02.
- Issue FY 2002 Fourth/Annual TSB-WIRD Status Report by 10/31/02.

IV. Issues:

- Completion of Milestone M-44-00: An ORP letter dated July 16, 2002, was forwarded to Ecology recommending Milestone M-44-00 be completed and closed in accordance with the current schedule. In the future, until DST closure, ORP and Ecology will develop all tank waste DQO supporting the sampling and analysis of DST and SST as well as annual characterization sampling priority workshop. ORP will submit status reports on a quarterly basis.

M-45-11, Complete 244-AR Vault Interim Status Actions**I. Near-Term Deliverables:**

- **M-45-11A, Complete 244-AR Vault Interim Stabilization**
Due: 9/30/03
Status: On schedule

II. Significant Accomplishments:

- None

III. Significant Planned Actions in the Next Six Months:

- Submit AB amendment (8/16/02)
- Final Core Bore of Cover Blocks (8/21/02)
- Install exterior transfer piping (8/27/02)
- Install interior pumps and piping, electrical power and test, and control and instrumentation (9/03/02)
- Implement Authorization Basis Amendment (9/09/02)
- Process Control Plan review consists of Final Design, Equipment Description Document, Authorization Basis Amendment, Unreviewed Safety Question, and Air Source Pump (9/10/02)
- Complete Plant Operating Procedures (9/20/02)
- Conduct Plant Readiness MSA (12/02/02)
- Completion of Readiness Assessment (1/28/03)

Near-term actions needed by DOE or Ecology

- None

IV. Issues:

- The current critical path has limited float for the completion of the milestone workscope.

M-48-00, DST Integrity Assessment Program**I. Deliverables:**

- **M-48-02**, Submit to Ecology a Report Assessing Technology Development
Due: 9/17/00 and every six months thereafter until equipment is deployed
Status: Latest report signed March 14, 2002.
- **M-48-10**, Submit Results of Four DSTs not Previously Examined
Due: 9/30/02
Status: On-going
- **M-48-11**, Submit Results of Four DSTs not Previously Examined
Due: 9/30/03
Status: On-going
- **M-48-12**, Submit Results of Four DSTs not Previously Examined
Due: 9/30/04
Status: On-going
- **M-48-13**, Submit Results of Four DSTs not Previously Examined
Due: 9/30/05
Status: On-going
- **M-48-14**, Submit Written Integrity Report for the DST System
Due: 3/31/06
Status: On-going
- **M-48-15**, Submit a Report to Ecology for the Re-examination of Six DSTs by Ultrasonic Testing
Due: 9/30/07
Status: On-going
- **M-48-00**, Complete Tank Integrity Assessment Activities for Hanford Double Shell Tanks System
Due: 9/30/07
Status: On-going

II. Significant Accomplishments:

- Completed caustic addition to AN-106, June 6, 2002
- Released AY-101 Supplementary UT Inspection Results June 28, 2002.
- Completed all field work for UT on AW-104 and AW-102. Data analysis is ongoing.
- Completed all field work for video inspections for 10 DSTs. Report generation is ongoing.

III. Significant Planned Actions in the Next Six Months:

- Complete milestones as listed above.
- TSAFT technology is progressing. Scheduled to test the system in September, 2002.
- Issue UT report on AW-104 and AW-102 by end of FY 2002.
- Issue reports on video inspections for 10 DSTs by end of FY 2002.

IV. Issues:

- **AY-101:**
The level restriction of 80 inches is still in effect.

Milestone M-46-00, Double-Shell Tank Space Evaluation**I. Deliverables:**

- **M-46-01H**, Concurrence of Additional Tank Acquisition
Due: 3/15/02
Status: Complete. Ecology issued a letter dated 3/18/02 stating they are not proposing new milestones based on DOE meeting 4 criteria.
- **M-46-00I**, Double-Shell Tank Space Evaluation
Due: 9/30/02
Status: On schedule
- **M-46-01I**, Concurrence of Additional Tank Acquisition
Due: 11/30/02
Status: On schedule
- **M-46-00J**, Double-Shell Tank Space Evaluation
Due: 9/30/03
Status: On schedule
- **M-46-01J**, Concurrence of Additional Tank Acquisition
Due: 11/30/03
Status: On schedule
- **M-46-00K**, Double-Shell Tank Space Evaluation
Due: 9/30/04
Status: On schedule
- **M-46-01K**, Concurrence of Additional Tank Acquisition
Due: 11/30/04
Status: On schedule
- **M-46-00L**, Double-Shell Tank Space Evaluation
Due: 9/30/05
Status: On schedule
- **M-46-01L**, Concurrence of Additional Tank Acquisition
Due: 11/30/05
Status: On schedule
- **M-46-00M**, Double-Shell Tank Space Evaluation
Due: 9/30/06
Status: On schedule
- **M-46-01M**, Concurrence of Additional Tank Acquisition
Due: 11/30/06
Status: On schedule

II. Significant Accomplishments:

None

III. Significant Planned Actions in the Next Six Months:

- Cases are being developed for the September 2002 update of DST Tank Farm Contractor Operation and Utilization Plan (TFC O&UP), DST space evaluation and SST retrieval sequence, ORP is currently seeking Ecology input for the scope and assumptions of the cases to be modeled. A meeting was held July 1 to finalize a case defined by Ecology and review three cases to be modeled and published in the records.

IV. Issues:

- Decide on the case studies for the next options evaluation.

Milestone M-47-00, Complete Work Necessary to Support Acquisition And Phase I Operations of Hanford Site High-Level Radioactive Waste Treatment, Storage, and Disposal Facilities

I. Near-Term Deliverables:

- **M-47-05**, Start construction of waste retrieval and mobilization systems for selected initial low-activity waste feed tank (other than AZ-101 and AZ-102)
Due: 5/31/04
Status: On schedule. Project planning and engineering activities for the first waste transfer tank, AP-101, transfer pump replacement have started.
- **M-47-03**, Start construction of waste retrieval and mobilization systems for selected initial high-level waste feed tank
Due: 7/30/04
Status: Construction forces mobilized July 2002. Official notification of milestone completion is in process.
- **M-47-01**, Complete construction of the transfer line system from the 241-AP Tank Farm to the WTP Facility to support the start of hot commissioning of the Phase I Tank Waste Treatment Complex
Due: 3/31/06
Status: On schedule. Contractor submittals for pipe fabrication have been approved. Cultural survey conducted for the pipe route.
- **M-47-05A**, Complete startup and turnover activities for waste retrieval and mobilization systems for selected initial low-activity waste feed tank (other than AZ-101 or AZ-102)
Due: 4/30/06
Status: On schedule. Startup and turnover follows installation of the AP-101 transfer pump (refer to M-47-05 status above).

Out year (Post 2006) Milestones:

- **M-47-02**, Complete startup and turnover activities for required transfer system upgrades to allow transfer of first high-level waste feed to the Pretreatment/Treatment Complex
Due: 3/31/07
 - Status: On schedule. Startup and turnover follow transfer line construction. Completed construction of new transfer lines from AZ to AP tank farms (SN-634, SN-636, and SN-637). AP-WTP transfer line pipe fabrication contract has been awarded (see M-47-01).

- **M-47-03A**, Complete startup and turnover activities for waste retrieval and mobilization systems for selected initial high-level waste feed tank
Due: 2/28/07
Status: On schedule. Startup and turnover follow construction and installation of AZ-101 mixer pump (refer to M-47-03 status above).
 - AZ-101 mixer pump final test report was completed in September 2001.
 - Laboratory test reports of HLW solids particle properties were issued in November 2001.
 - Analysis of laboratory data was completed in January 2002.
 - Waste feed delivery transfer system analysis completed in March 2002.
- **M-47-04**, Complete startup and turnover activities for required transfer system upgrades to allow transfer of first low-activity waste feed to the pretreatment/treatment complex
Due: 6/30/07
Status: On schedule. Startup and turnover follow AP-101 transfer pump installation (refer to M-47-01 status above).
- **M-47-06**, Complete negotiation of additional agreement requirements (milestones, target dates, and associated language) governing work necessary to support completion of treatment complex Phase I operations by 2018
Due: 6/30/10
Status: Negotiations are not yet underway.

II. Significant Accomplishments:

- Completed Cultural Resource Survey for pipe routing to WTP
- Approved contractor submittals for TFC/WTP Waste Transfer Piping
- Mobilized construction forces for AZ-101 upgrades
- Initiated mixer pump procurement for AN-101 retrieval system

III. Significant Planned Actions in the Next Six Months:

- Complete Title II design for AN-101 retrieval system
- Initiate AN-101 construction
- Award contract for fabrication of AN-101 retrieval system mixer pumps
- Initiate AP valve pit construction
- Initiate AP-WTP pipeline construction
- Initiate Title II design for AN-107 retrieval system

Near-term Actions Needed by DOE or Ecology:

- Critical Decision 3 for AN-101 (August 2002)
- Approval of Cultural Survey by State Historic Preservation Officer

IV. Issues:

- None at this time

Milestone M-45-00, Complete Closure of All Single-Shell Tank Farms**I. Near-Term Deliverables:**

- **M-45-00B, "Complete Near-Term SST Waste Retrieval Activities"**
Due: 9/30/2006
Status: On schedule with respective supporting milestones as noted below.
- **M-45-02, "Submit Annual Updates to SST Retrieval Sequence Document"**
Due: 9/30/02 (and annually thereafter)
Status: On schedule. Work to update background information on SST saltwell pumping, SST risk status, tank transfers, waste generators, evaporator campaigns, and best-basis inventory revisions continue for the FY 2002 update. The report will be published in conjunction with M-46-00I, Double-Shell Tank Space Evaluation, as a single integrated document. Modeling case definition is nearing completion as described under M-46-00I.
- **M-45-03-T03, "Submit S-112 Saltcake Waste Retrieval Technology Demonstration Functions and Requirements (F&R) Document"**
Due: 12/30/01
Status: Complete
- **M-45-03-T04, "Submit C-104 Sludge/Hard Heel, Confined Sluicing and Robotic Technologies, Waste Retrieval Demonstration Functions and Requirements Document"**
Due: 12/31/01
Status: Complete
- **M-45-03D, "Complete S-112 Saltcake Waste Retrieval Technology Demonstration Design" (all physical systems including LDMM provisions)**
Due: 5/31/03
Status: On schedule. Potential delays associated with comment resolution of F&R document may impact start of conceptual design (see "Issues" section).

In-tank saltcake dissolution equipment has been installed in tank U-107. Proof-of-concept testing of saltcake dissolution has been delayed due to problems achieving pumping rates during saltwell pumping operations in support of interim stabilization. This delay is not expected to impact the S-112 design milestone.

Trouble-shooting and corrective maintenance activities are underway for the Topographical Mapping System (TMS) in accordance with the Corrective Action Plan to address problems experienced during initial testing of the TMS. Accelerated Site Technology Deployment (ASTD) funding has been awarded by the DOE Office of Science and Technology (EM-50) to develop and deploy a "second generation" TMS.

Preliminary engineering for S-112 is complete. DOE-ORP approval of the *Justification for Mission Need* (JMN) has been obtained. The Statement of Work for the "Design and Fabricate" contract for the S-112 retrieval system is going through review and approval. Recently identified issues associated with the "hose-in-hose" above-ground transfer line couplings are being followed. No impacts are anticipated at this point in time.

- **M-45-00C**, "Complete Renegotiation of Second Phase SST Waste Retrieval Activities" (September 30, 2006 through September 30, 2015)
Due: 2/28/04 (Negotiations will consider need for additional compliant tank space. WTP construction was not initiated by 12/31/2001, as defined by M-62-06. As a result, the due date for the M-45-00C milestone was automatically adjusted to 4/30/2002).
Status: Tentative Agreement was reached on 8/15/02.
- **M-45-03G**, "Complete C-104 Sludge/Hard Heel, Confined Sluicing and Robotic Technologies, Waste Retrieval Cold Demonstration"
Due: 6/30/04
Status: On schedule. Contract awarded for design, fabrication, and testing of a Mobile Retrieval System adapting commercially available equipment for Hanford Site use. Preliminary cold testing of the MRS is planned by the end of September 2002. Oak Ridge National Laboratory has completed its review of the test plan.
- **M-45-03E**, "Complete S-112 Saltcake Waste Retrieval Technology Demonstration Construction (all physical systems including LDMM provisions)"
Due: 9/30/04
Status: On schedule
- **M-45-03H**, "Complete C-104 Sludge/Hard Heel, Confined Sluicing and Robotic Technologies, Waste Retrieval Demonstration Design (all physical systems including LDMM provisions)"
Due: 9/30/04
Status: On schedule. Potential delays associated with comment resolution of F&R document may impact start of conceptual design (see "Issues" section). Preliminary design has been initiated, and a Statement of Work for project review by "outside experts" on slurry retrieval and transfer processes has been prepared and issued.
- **M-45-03C**, "Complete Full-Scale Saltcake Waste Retrieval Technology Demonstration at Tank S-112 (all physical systems including LDMM provisions)"
Due: 9/30/05
Status: On schedule. Initial testing of saltcake dissolution equipment is planned in tank U-107 in conjunction with interim stabilization activities. Current problems associated with transfer line plugging at U-107 is not anticipated to impact this milestone. See description under M-45-03D for status of U-107 work.
- **M-45-05E**, "Complete Second Tank Initial Retrieval Project Design (all physical systems including LDMM provisions)"
Due: 6/30/06
Status: On schedule
- **M-45-05A**, "Complete Initial Waste Retrieval from SST S-102"
Due: 9/30/06
Status: On schedule

- **M-45-03I**, "Complete C-104 Sludge/Hard Heel, Confined Sluicing and Robotic Technologies, Waste Retrieval Demonstration Construction (all physical systems including LDMM provisions)"
Due: 9/30/06
Status: On schedule
- **M-45-05-T16**, "Submit S-102 Initial Waste Retrieval Functions and Requirements (F&R) Document"
Due: 10/30/02
Status: On schedule. Conceptual design has been initiated and will support completion of the F&R document.
- **M-45-05B**, "Complete S-102 Initial Retrieval Project Design (all physical systems including LDMM provisions)"
Due: 3/31/04
Status: On schedule. The Preliminary Engineering Report, Project Definition Criteria, and LDMM Design Concept Report have been completed. Conceptual design efforts are underway. Cold testing of the AEAT Power Fluidics System and Russian Pulsating Mixing and Pumping System is progressing.
- **M-45-05C**, "Complete S-102 Initial Waste Retrieval Project Construction (all physical systems including LDMM provisions)"
Due: 11/30/05
Status: On schedule
- **M-45-05D**, "Establish Completion Date for the Second Tank, Initial Waste Retrieval"
Due: 12/31/02
Status: On schedule. Selection will be based on information in report RPP-8554, "Single-Shell Tank Retrieval Sequence and Double-Shell Tank Space Evaluation," prepared under M-45-02. This activity is also related to completing renegotiation of second phase SST waste retrieval activities under M-45-00C.
- **M-45-05F**, "Complete Second Tank Initial Waste Retrieval Project Construction (all physical systems including LDMM provisions)"
Due: TBE (identification of specific tank and M-45-05F milestone due date to be established no later than 12/31/02).
Status: On schedule.

The milestone due date will be based on information in report RPP-8554, "Single-Shell Tank Retrieval Sequence and Double-Shell Tank Space Evaluation," prepared under M-45-02 and will be supported by HTWOS model simulations. This activity is related to establishing a completion date for the second tank initial waste retrieval under M-45-05D.
- **M-45-05-T17**, "Submit Second Tank Initial Waste Retrieval Functions and Requirements (F&R) Document"
Due: 4/30/04
Status: On schedule.

Selection will be based on information in report RPP-8554, "Single-Shell Tank Retrieval Sequence and Double-Shell Tank Space Evaluation," prepared under M-45-02. This activity is also related to completing renegotiation of second phase SST waste retrieval activities under M-45-00C.

- **M-45-06-T05**, "Submit Tank Farm Closure/Post-Closure Work Plan Update"
Due: 6/30/02
Status: Completed 6/27/02. Ecology comments expected by August 27, 2002, will be resolved and incorporated into the next overall closure document and individual tank plans.
- **M-45-06-T06**, "Submit Tank Farm Closure/Post Closure Work Plan Update"
Due: 6/30/04
Status: On schedule
- **M-45-06-T07**, "Submit Tank Farm Closure/Post Closure Work Plan Update"
Due: 6/30/06 (and every two years thereafter)
Status: On schedule
- **M-45-12-T01**, "Tank Space Options Report"
Due: 2/28/02
Status: Completed.
Based on results presented in M-45-12-T01, "Tank Space Options Report" and M-46-00H, "DST Space Evaluation", Ecology concurred with the recommendation to not construct new DSTs at this time. The concurrence is contingent on meeting four criteria listed in Ecology's letter, "Concurrence of Additional Tank Acquisition" (M-46-01H). While the three tank space options recommended in the Ecology letter are acceptable, the volumes and implementation dates stated will be confirmed after further implementation planning is complete.

Out-Year (Post 2006) Milestones:

- **M-45-00**, "Complete Closure of all SST Farms" by 9/30/2024
- **M-45-03F**, "Complete Full-Scale Sludge/Hard Heel, Confined Sluicing and Robotic Technologies, Waste Retrieval Demonstration a SST C-104" by TBE (to be established during M-45-00C negotiations).
- **M-45-05**, "Retrieve Waste from All Remaining SSTs" by 9/30/2018
- **M-45-05-T05**, "Initiate Tank Retrieval from 5 Additional SSTs" by 9/30/2007
- **M-45-05-T06**, "Initiate Tank Retrieval from 5 Additional SSTs" by 9/30/2008
- **M-45-05-T07**, "Initiate Tank Retrieval from 7 Additional SSTs" by 9/30/2009
- **M-45-05-T08**, "Initiate Tank Retrieval from 8 Additional SSTs" by 9/30/2010
- **M-45-00D**, "Complete Renegotiation of the Remainder of the SST Waste Retrieval and Closure Program" by 6/30/2011
- **M-45-05-T09**, "Initiate Tank Retrieval from 10 Additional SSTs" by 9/30/2011
- **M-45-05-T10**, "Initiate Tank Retrieval from 12 Additional SSTs" by 9/30/2012

- **M-45-05-T11**, "Initiate Tank Retrieval from 14 Additional SSTs" by 9/30/2013
- **M-45-05-T12**, "Initiate Tank Retrieval from 17 Additional SSTs" by 9/30/2014
- **M-45-05-T13**, "Initiate Tank Retrieval from 20 Additional SSTs" by 9/30/2015
- **M-45-05-T14**, "Initiate Tank Retrieval from 20 Additional SSTs" by 9/30/2016
- **M-45-05-T15**, "Initiate Tank Retrieval from 20 Additional SSTs" by 9/30/2017
- **M-45-06**, "Complete Closure of all SST Farms in Accordance with Approved Closure/Post Closure Plans" by 9/30/2024
- **M-45-06-T03**, "Initiate Closure Actions on an Operable Unit or Tank Farm Basis" by 3/31/2012
- **M-45-06-T04**, "Complete Closure Actions on one Operable Unit or Tank Farm" by 3/31/2014

II. Significant Accomplishments:

- Milestone M-45-06-T05 completed on 6/27/02, as scheduled.

III. Significant Planned Actions in the Next Six Months:

- Continue work on the FY 2002 update of RPP-8554, "Single-Shell Tank Retrieval Sequence and Double-Shell Tank Space Evaluation."
- Continue evaluation of selected options for increasing DST space.
- Continue proof-of-concept testing of the AEAT Power Fluidics System and the Russian Pulsating Mixing and Pumping System in support of S-102 retrieval.
- Complete Conceptual Design for S-102 initial retrieval project.
- Submit S-102 CD-2 package to ORP
- Complete work associated with removal of plug from U-107 transfer lines.
- Award S-112 Final Design/Build Contract
- Perform S-112 90% Design Review
- Complete Preliminary Design for C-104 Waste Retrieval System.
- Receive approval of C-104 F&R from Ecology for initiation of Final Design.
- Initiate C-104 Final Design.
- Approve CD-2 for C-104 (Approval of Performance Baseline).
- Complete design, factory acceptance testing, and cold testing of Mobile Retrieval System (MRS) for C-104.
- Continue performance testing and deployment demonstrations for down selected ex-tank leak detection technologies.

IV. Issues:

The ability to move forward with final design for the S-112 and C-104 Retrieval Projects is tied to Ecology approval of the Functions and Requirements (F&R) documents submitted to Ecology on December 21, 2001 as TPA "primary" documents. Ecology sent a letter to ORP on July 19, 2002, granting "conditional approval" of the documents and listing six (6) conditions. The first condition required resolution of all non-RPE related ecology comments on the documents. Meetings to resolve comments were completed on August 21, 2002, and subsequent document revisions are in process. The revised documents will be provided to Ecology when complete for approval. An additional condition requires DOE to invest in technology to improve the capability to detect and mitigate leaks during retrieval. DOE is currently evaluating three (3) geophysical ex-tank leak detection technologies at an experimental site in the 200 East Area. The purpose of the testing is to assess the viability of the technologies for in-tank farms application and, if the testing indicates that one or more of the technologies will perform well and reliably in a tank farm environment. DOE will plan an experimental deployment accordingly. The ongoing tests will conclude in November 2002 and DOE would like the opportunity to brief Ecology at the test site in early October.

M-45-50, -60 Single-Shell Tank Corrective Action**I. Near-Term Deliverables:**

- **M-45-55-T01**, Submit to Ecology for review and comment as an Agreement secondary document a Field Investigation Report (FIR) pursuant to the site-specific SST WMA Phase I RFI/CMS Work Plan addenda for WMA S/SX
Due: 1/31/02
Status: Complete. The S/SX FIR was delivered to Ecology on schedule, meeting this milestone.
- **M-45-55-T02**, Submit to Ecology for review and comment as an Agreement secondary document a Field Investigation Report pursuant to the site-specific SST WMA Phase I RFI/CMS Work Plan addenda for WMA B, BX, and BY
Due: 01/31/03
Status: Work started; forecast on schedule. The due date of this milestone was changed to 1/31/03, to align reporting requirements with site characterization activities.
- **M-45-55-T03**, Submit to Ecology for review and comment as an Agreement secondary document a Field Investigation Report pursuant to the site-specific SST WMA Phase I RFI/CMS Work Plan addenda for WMA T, TX, and TY
Due: 6/2003
Status: Work not started; forecast on schedule.
- **M-45-55**, Submit to Ecology for review and approval as an Agreement primary document a Phase 1 RFI report integrating results of data gathering activities and evaluations for WMAs S-SX, T, TX-TY, and B-BX-BY and related activities, including groundwater monitoring and impacts assessment using Hanford Site groundwater models, with conclusions and recommendations
Due: 2/2004
Status: Work not started; forecast on schedule.
- **M-45-60**, Submit to Ecology for review and approval as an Agreement primary document DOE's RFI/CMS Work Plan for SST WMAs
Due: 6 months following RFI report approval
Status: Work not started; forecast on schedule.

II. Significant Accomplishments:

- Initiate Interim Measures for run-on control for two East SST farms.
- Agreed in principle with Ecology to continue field exploration work for a second year in WMAs TX-TY and T.
- Initiated the testing of the remaining pressurized water lines in SST farms. Line on east side of TY Farm failed leak test and will be cut and capped.
- Initiated fieldwork in the TX SST Farm in May. Plans are to collect soil samples from 3 boreholes this FY.

III. Significant Planned Actions in the Next Six Months:

- Participate in C3T exercise for ground water monitoring.
- Drilling of three boreholes in T-TX-TY WMAs to be complete by September 2002.

IV. Issues:

- None at this time.

Milestone M-43-00, Tank Farm Upgrades**I. Near-Term Deliverables:**

- **M-43-15**, Start Construction in 4th farm
Due: 3/29/02
Status: Complete. AW Farm construction started 2/28/02. Letter sent 3/26/02.
- **M-43-16**, Start Construction in 5th farm
Due: 6/30/03
Status: On schedule (SY farm)
- **M-43-00**, Complete Tank Farm Upgrades
Due: 6/30/05
Status: On schedule, pending definition of completion. Preliminary discussions on the scope for M-43 closure strategy were held between Ecology and ORP during June, in conjunction with discussion of the scope for Project E-525.

II. Significant Accomplishments:

- Initiated upgrades in AN-07A pit
- Completed installation of AN-01A cover blocks and leak detection stations
- Completed SN line construction
- Design initiated for Phase II AW and SY upgrades
- Draft M-43 Closure Strategy document and initiated discussions with Ecology

III. Significant Planned Actions in the Next Six Months:

- Complete installation of Master Pump Shutdown system
- Complete Phase 1 AW upgrades construction
- Complete Phase 1 AZ upgrades startup and testing
- Complete Phase 1 AY upgrades start up and testing
- Complete WTS Upgrade construction and ATPs (11 systems or lines)
- Start Phase II Definitive design for AY, AZ and 244-S DCRT
- Start Phase II Construction for AW
- Prepare M-43 Closure Strategy document

Near-term Actions Needed by DOE or Ecology:

- Continue discussions and negotiations on M-43-00 in 2002.

IV. Issues:

- Nothing to report

M-62, Complete Pretreatment Processing and Vitrification of Tank Wastes

I. Near-Term Deliverables:

- **M-62-01**, Submit Semi-Annual Compliance Report
 Due: Semi-annually beginning July 31, 2000
 Status: The next report is due July 31, 2002.

- **M-62-06**, Start of Construction – Phase I Treatment Complex
 Due: December 31, 2002
 Status: Complete. 7/10/02 first concrete pour made.

- **M-62-07**, Construction Progress Milestones (2) – Phase I Treatment Complex
 Due: TBD
 Two new Construction Progress Milestones have been defined and submitted in the Recovery Plan. Pending approval of the associated change form, the new milestones will be:
 - M-62-07A, Initial erection of LAW Structural Steel in the Vit. Facility
 Due Date: October 30, 2003

 - Recovery Plan: M-62-07B, Complete Assembly of LAW Melter
 Due Date: October 30, 2005

- **M-62-08**, Submittal of Hanford Tank Waste Phase II Treatment Alternatives Report
 Due: July 31, 2005
 Status: On schedule
 The Strategic Planning Group within the ORP Office of the Assistant Manager for Integration and Control has initiated long range planning for the remainder of the Hanford waste immobilization. Efforts include proposed R&D needs, tank waste inventory projections and plant sizing options. Initial submittal of the report is scheduled for July 31, 2005.

- **M-62-03**, Submit DOE petition for RCRA de-listing of vitrified HLW
 Due: December 31, 2006

Status: The LDR and delisting DQO are under review and comment. Research and technology work continues. This activity is on schedule to be completed by 12/31/06.

Out year (Post 2006) milestones:

- **M-62-09**, Start (Hot) Commissioning - Phase 1
 Due: December 31, 2007
 Status: Hot Commissioning of the Phase I Treatment Complex is on schedule. This milestone is a contract requirement for the Waste Treatment Plant; reference Section F, paragraph F.1 (b) milestone M-4. The contractor is incentivised to meet or beat the start of Hot Commissioning by December 31, 2007.

- **M-62-10**, Complete Hot Commissioning – Phase I Treatment Complex

Due: January 31, 2011
Status: On schedule

- **M-62-11**, Submittal of Hanford Tank Waste Treatment Phase II Plan
Due: January 31, 2014
Status: On schedule
- **M-62-00A**, Complete pretreatment, processing and vitrification of Hanford Phase I HLW and Low Activity Waste (LAW)
Due: February 28, 2018
Status: On schedule
As committed to in the BNI contract, stated in the change package, DOE is on a schedule to complete the first 10% of waste processing measured by mass and 25% of waste processing measured by radioactivity by February 28, 2018.
- **M-62-00**, Complete pretreatment processing and vitrification of Hanford high level and low activity tank waste
Due: December 31, 2028
Status: On schedule

ORP remains committed to this activity. The completion date for this milestone will be evaluated on a continual basis as we progress with this program. Committed means that DOE intends to "bring about" or perform all work to ensure that Hanford's high-level radioactive waste is vitrified by December 31, 2028.

- **M-62-12**, Issuance of DOE Authorization to Proceed – Phase II Treatment
Due: TBD
Status: This milestone will be negotiated in the 2014 timeframe.

II. Significant Accomplishments:

Construction

- Initiated structural concrete pour in the LAW and HLW facilities on July 10, 2002, accomplishing TPA milestone M-62-06.
- More than 2000 cubic yards of concrete has been poured to-date for the HLW and LAW facilities, most of which has been done on the night shift due to the hot weather.
- Construction Office Building is completed except for a few punch list items and is now occupied by construction personnel.
- Installing structural steel in Warehouse (Bldg. 52), which is about 45% complete.
- PT Change House and HLW Change House are nearly complete (98% each), with finish work and final utility connections underway.
- Installing metal siding, roofing, and interior walls for the Combination Shop, which is about 85% complete.

- Continued underground pipe installation (fire water, potable water, compressed air, sanitary, and gas pipe) and installation of electrical cable and duct banks.
- Added more sections to the tower crane assembly for the LAW facility.
- Continuing with installation of rebar and support structure for the HLW basemat.
- Nearly complete with concrete placement around HLW C-5 duct trench.
- Installing forms and rebar for the PT Tower Crane pedestal.

Design (selective highlights)

- Initiated work associated with vendor design and fabrication of the 4 PT feed receipt vessels.
- BNI issued -21 elevation structural steel detail drawings for the LAW facility (associated with milestone M-62-07A)
- Awarded HLW maintenance cranes purchase order
- BNI issued Process System Descriptions for the Analytical Lab

Permits

- Work associated with assembling the PT construction permit application (portion of the DWP) for PT construction at the -45 elevation is currently underway with the objective to support a September 15 construction start.

Administrative

- Annual baseline update review is still in process and is expected to be complete in August. Review and disposition of pending items (PI) is the major obstacle to the baseline approval.
- An External Independent Review (EIR) associated with Critical Decision 3c commenced on July 29 and ended on August 9, 2002. Contractor and Federal staff were fully engaged in this activity, which is a prerequisite to obtaining CD-3b.

III. Significant Planned Actions in the Next Six Months:

- Complete annual baseline update review and approval as soon as possible
- Respond to EIR findings and prepare for CD-3c in September
- Complete LCAR construction scope in October
- Start PT construction in November
- Complete 3b scope construction

IV. Issues:

Ecology and DOE management have been meeting to resolve the last of the permitting issues for the start of construction.

M-92-05, Inclusion of Hanford Site Cs/Sr treatment and/or repackaging parameters in DOE TWRS Phase II request for proposals

I. Near-Term Deliverables:

- M-92-05, Inclusion of Hanford Site Cs/Sr treatment and/or repackaging parameters in DOE TWRS Phase II request for proposals

Due: 6/30/03

Status: According to M-62-11 and M-62-12 milestones, DOE will not be seeking Phase II requests for proposals until the 2014 time frame. However, in the current BNI Contract C.7, Facility Specification, the following requirement is stipulated:

“The Contractor shall design the WTP to ensure that the plant is designed and built with features to provide increased operational capacities, as follows:

(4) Pretreatment can connect to a potential new facility designed to receive and treat the Hanford Cs and Sr capsules prior to incorporation into the HLW feed for immobilization in the HLW Vitrification Facility.”

Note: This issue is being addressed in CT3 efforts.

Milestone M-90-00, Complete Acquisition of New Facilities, Modifications of Existing facilities, and/or Modifications of Planned Facilities, as Necessary for Storage of Hanford Site Immobilized High Level Waste (IHLW), Immobilized Low Activity Waste (ILAW), and Disposal of ILAW, and M-20-00, Submit Part B Permit Applications

I. Near-Term Deliverables:

- **M-20-56**, Submit Canister Storage Facility Part B Permit Application
Due: 6/30/03
Status: On schedule
- **M-20-57**, Submit ILAW Disposal Facility Certified Part B Permit Application to Ecology
Due: 6/30/03
Status: On schedule
- **M-90-09-T01**, Complete Detailed Design of ILAW Disposal Facility Critical Systems to 80%
Due: 5/30/03
Status: On schedule
- **M-90-08**, Initiate ILAW Disposal Facility Construction.
Due: 2/28/05
Status: On schedule

Out year (Post 2006) milestones:

- **M-90-10**, Initiate Placement of ILAW Waste Canisters in ILAW Disposal Facility
Due: 8/31/08
Status: On schedule
- **M-90-11**, Complete Canister Storage Facility Construction
Due: 6/30/09
Status: On schedule

II. Significant Accomplishments:

- CHG completed a draft Project Execution Plan for the ILAW Disposal Facility and submitted it to ORP for review. ORP review comments are being incorporated.
- CHG issued comprehensive study of ILAW package retrievability – July 2002
- Waste Acceptance Criteria for ILAW disposal trenches was approved by ORP – July 2002
- Drafts of Part B Permit Applications based on conceptual design data were submitted to ORP. These applications for ILAW and IHLW will be updated as detailed design data becomes available to support 6-30-03 M-20 TPA milestones.
- CHG has provided CD 1 and 2 information to ORP which will allow authorization of detailed design for the ILAW project – July 2002

III. Significant Planned Actions in the Next Six Months:

- Initiate IHLW Module I Siting Study – August 2002
- FY 2002 Annual Summary Report for the ILAW PA Research and Development Activities – August 2002
- Issue Melter Disposal Level 1 Specification – August 2002
- Issue Melter Project Design Criteria – Sept. 2002
- DOE approval to start Project W-520 preliminary/detailed design – Sept. 2002
- Second meeting with Ecology to discuss a waiver for a liner for the planned melter disposal trench – TBD
- Meet with Ecology to reach an understanding on 80% design of critical systems in support of HFFACO Change Request M-20-01-01 milestones M-20-56 and M-20-57 – TBD
- Submit PDSA/PSSD for Project W-464 to ORP for approval – September 30, 2002
- DOE approval to start Project W-464 detailed design – Feb 2003

IV. Issues

- None at this time.

Backup Information: Cost and Schedule Variance Analysis

TW03 STORE WASTE

PERFORMANCE SUMMARY

Cumulative Performance – Store Waste						
	<u>BCWS</u>	<u>BCWP</u>	<u>ACWP</u>	<u>SV</u>	<u>CV</u>	<u>EAC</u>
HANDI	\$142,314	\$132,923	\$127,359	-6.6%	4.2%	
Pending Baseline	\$129,866	\$127,296	\$119,223	-2.0%	6.3%	\$181,386

SCHEDULE VARIANCE

Description and Cause: The unfavorable schedule variance (-\$9.4M; -6.6%) is the result of the following:

Interim Stabilization critical resources were reassigned to address unplanned issues such as transfer line failures in S, SX, and U farms and multiple pump system replacement for Tank 241-S-102. This has delayed the activities to support FY 2002 tank start-ups and maintenance support of the delayed tank start-up pumps. DST Facility Upgrade Projects is behind schedule due to engineering design changes on AP/AW Flush Upgrades and ORP directed hold on Project W-420. In addition, the baseline schedule for the 702-A Deactivation Project does not reflect the current execution strategy.

The FY 2002 tank sampling plan, which identifies tank sampling needs for Capacity and Inventory Project Management activities, has been refined. This resulted in activities that are no longer planned to be done in FY 2002.

DST Integrity Assessment activities are behind schedule due to the late start of Ultrasonic Testing (UT) in Tanks 241-AW-102 and 241-AW-104 caused by the longer than expected time required to complete UT on Tank 241-AY-101.

Impact: The Interim Stabilization Consent Decree Milestone D-001-12V, "The Percentage of Pumpable Liquid Remaining to be Removed (Will be Equal to or Less Than) 18% of Total Liquid," is "at risk" but recoverable. In addition, the dates for SSPBI ORP-24 Rev. 1, "Accelerate Saltcake Retrieval U-107 Saltcake Dissolution Proof-Of-Concept," are "at risk" and unrecoverable.

Capacity and Inventory Project Management and DST Integrity Assessment activities will remain behind schedule.

Corrective Action: Interim Stabilization work packages are being combined, where appropriate, to perform fieldwork activities in parallel and additional resources have been allocated to assist in schedule recovery of start-up activities and to minimize the down time due to equipment failure. Approximately 20 additional people have been assigned to rotating shifts. A new Tank 241-U-107 Saltcake path forward/start-up plan is being negotiated with ORP.

BCR RPP-02-033, "Characterization Out Year Modifications," was resubmitted to ORP for approval on May 8, 2002, to delete those sampling and analytical activities no longer planned for FY 2002. Concurrent scanning in two tanks has been implemented, in addition to working three double shifts per week in order to recover the schedule for DST Integrity activities.

COST VARIANCE

Description and Cause: The favorable cost variance (\$5.6M; 4.2%) is within the reporting thresholds.

Impact: None

Corrective Action: None required.

TW04 RETRIEVE WASTE

PERFORMANCE SUMMARY

	Cumulative Performance – Retrieve Waste					<u>EAC</u>
	<u>BCWS</u>	<u>BCWP</u>	<u>ACWP</u>	<u>SV</u>	<u>CV</u>	
HANDI	\$76,808	\$62,210	\$65,146	-19.0%	-4.7%	
Pending Baseline	\$69,529	\$63,042	\$61,347	-9.3%	2.7%	\$100,102

SCHEDULE VARIANCE

RETRIEVE WASTE – EXPENSE

Description and Cause: The unfavorable schedule variance (-\$4.6M; -14.0%) is the result of an error in logic within the baseline for the procurement and construction activities on Tank 241-S-112. The current baseline shows procurement scheduled to begin October 2001, concurrent with the start of design, and construction to begin in March 2002; however, procurement and construction cannot begin until sufficient design has been completed.

Impact: The variance will continue pending approval and implementation of BCRs.

Corrective Action: BCR RPP-02-069, "Update S-112 Waste Retrieval Technology Demonstration Project to Reflect the Preliminary Engineering Report (PER), Rev. 2," has been prepared and submitted for Tank 241-S-112 to correctly align the design and procurement activities.

RETRIEVE WASTE – CAPITAL PROJECTS

Project W-211 - Initial Tank Retrieval System

Description and Cause: The unfavorable schedule variance (-\$3.9; -44.3%) is primarily due to the deferral of Tank 241-AN-102 Title II Design, Tanks 241-AN-101 and 241-AZ-101 equipment procurements being behind schedule, the decision to delay the start of the Tank 241-AP-102 retrieval system ECN, and the late award of both the TFC/WTP transfer piping fabrication contract and the Tank 241-AZ-101 construction contract.

Impact: The variance will continue pending approval and implementation of BCRs.

Corrective Action: BCR RPP-02-022, "Design Deferral of AN-102, AN-103 Retrieval Systems," is being processed to defer the Tank 241-AN-102 Title II Design, and other BCRs are being prepared to accurately reflect revised planning for the procurement and design activities.

Project W-314 - Tank Farm Restoration and Safe Operations

Description and Cause: The unfavorable schedule variance (-\$6.2M; -17.4%) is the result of delays in Phase 1 AN, Phase 1 AW, and Phase 2 AN construction because of design revisions and fieldwork delays; delays in placement of construction contracts for the MPS System; and delays in obtaining competitive bids for Phase 2 AW and SY designs.

Impact: The variance will continue pending implementation of the actions in step 2 of the recovery plan.

Corrective Action: The project is evaluating deferral of non-critical path activities that may be incorporated through a BCR as step two of the Project W-314 Recovery Plan. Due to improved fieldwork productivity, the construction activities are scheduled to be completed by the end of FY 2002. Contracts have been placed for the design work and the contractor will complete Farms AW and SY designs by September 30, 2002.

COST VARIANCE

RETRIEVE WASTE – EXPENSE

Description and Cause: The favorable cost variance (\$4.7M; 16.6%) is within the reporting thresholds.

Impact: No impact.

Corrective Action: None required.

RETRIEVE WASTE – CAPITAL PROJECTS

Project W-211 - Initial Tank Retrieval System

Description and Cause: The unfavorable cost variance (-\$0.7M; -13.4%) is a result of higher than planned costs for construction closeout, the waste physical properties analysis, project management, Tank 241-AZ-101 Title III engineering, and the AN Infrastructure design.

Impact: The variance will continue pending approval and implementation of BCRs.

Corrective Action: BCRs are planned to accurately reflect the scope of the work performed for these activities.

Project W-314 - Tank Farm Restoration and Safe Operations

Description and Cause: The unfavorable cost variance (-\$7.0M; -23.8%) is a result of the following: additional cost to resolve unexpected fieldwork conditions/hazards, additional safety oversight, design changes, and unplanned work stoppages due to wind; and enhanced security for Phase 1 AZ construction, Phase 1 AY construction, Phase 1 AW construction, Waste Transfer System (WTS) construction, and Master Pump Shutdown construction. Additionally, Quality Assurance costs are higher than expected due to increased cost for the following; assessment, corrective action management, issue management requirements, and field and procurement QA support.

Impact: The variance will continue pending implementation of the actions in step 2 of the recovery plan.

Corrective Action: A portion of the cost variance is not recoverable. The remainder will be offset by the approved use of contingency. In addition, the project has implemented cost control measures including simplifying designs to improve field work conditions, competitively bidding contracts, reducing support staff, and controlling overtime.

TW06 TREAT WASTE

PERFORMANCE SUMMARY

	Cumulative Performance – Treat Waste					
	<u>BCWS</u>	<u>BCWP</u>	<u>ACWP</u>	<u>SV</u>	<u>CV</u>	<u>EAC</u>
HANDI	\$1,254	\$1,255	\$792	0.1%	36.9%	
Pending Baseline	\$1,254	\$1,255	\$792	0.1%	36.9%	\$1,261

SCHEDULE VARIANCE

TREAT WASTE – EXPENSE

Description and Cause: The favorable schedule variance (\$0.0M; 0.1%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

TREAT WASTE – CAPITAL PROJECTS

Project W-519 - Phase I Privatization Infrastructure

Description and Cause: The schedule variance (\$0.0M; 0.0%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

Project W-530 - Waste Treatment and Immobilization Plant

Description and Cause: The schedule variance (\$0.0M; 0.0%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

TREAT WASTE – EXPENSE

Description and Cause: The favorable cost variance (\$0.3M; 21.0%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

TREAT WASTE – CAPITAL PROJECTS

Project W-519 - Phase I Privatization Infrastructure

Description and Cause: The cost variance (\$0.0M; 0.0%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

Project W-530 - Waste Treatment and Immobilization Plant

Description and Cause: The favorable cost variance (\$0.2M; 0.0%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

TW09 DISPOSE WASTE

PERFORMANCE SUMMARY

	Cumulative Performance – Dispose Waste					<u>EAC</u>
	<u>BCWS</u>	<u>BCWP</u>	<u>ACWP</u>	<u>SV</u>	<u>CV</u>	
HANDI	\$8,873	\$8,783	\$6,494	-1.0%	26.1%	
Pending Baseline	\$8,873	\$8,783	\$6,494	-1.0%	26.1%	\$10,303

SCHEDULE VARIANCE

DISPOSE WASTE – EXPENSE

Description and Cause: The favorable schedule variance (\$0.1M; 1.8%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

DISPOSE WASTE – CAPITAL PROJECTS

Project W-464 - Immobilized High-Level Waste Interim Storage (Expense Funding)

Description and Cause: The unfavorable schedule variance (\$-0.2M; -3.8%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

Project W-520 - Immobilized Low-Activity Waste Disposal

(Expense Funding)

Description and Cause: The unfavorable schedule variance (-\$0.0M; -2.0%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

DISPOSE WASTE – EXPENSE

Description and Cause: The favorable cost variance (\$1.5M; 21.6%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

DISPOSE WASTE – CAPITAL PROJECTS

Project W-464 - Immobilized High-Level Waste Interim Storage (Expense Funding)

Description and Cause: The favorable cost variance (\$0.4M, 41.7%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

Project W-520 - Immobilized Low-Activity Waste Disposal

(Expense Funding)

Description and Cause: The favorable cost variance (\$0.3M; 51.7%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

TW10 MANAGE PROJECT**PERFORMANCE SUMMARY**

	Cumulative Performance – Manage Project					EAC
	BCWS	BCWP	ACWP	SV	CV	
HANDI	\$49,692	\$43,851	\$45,962	-11.8%	-4.8%	
Pending Baseline	\$49,691	\$43,851	\$45,711	-11.8%	-4.2%	\$67,130

SCHEDULE VARIANCE

Description and Cause: The unfavorable schedule variance (-\$5.8M; -11.8%) is the result of errors that caused understatement in the recording of workscope performance. Of the \$5.8M unfavorable schedule variance, \$5.7M is caused by the errors.

Impact: No impact.

Corrective Action: The schedule variance will be corrected in July.

COST VARIANCE

Description and Cause: The unfavorable cost variance (-\$2.1; -4.8%) is within the reporting threshold. Without the recording errors, this PBS would have reported a \$3.6M favorable cost variance.

Impact: No impact.

Corrective Action: None required.

TW11 CLOSE FACILITIES

PERFORMANCE SUMMARY

Cumulative Performance – Close Facilities						
	<u>BCWS</u>	<u>BCWP</u>	<u>ACWP</u>	<u>SV</u>	<u>CV</u>	<u>EAC</u>
HANDI	\$10,777	\$10,230	\$10,470	-5.1%	-2.3%	
Pending Baseline	\$16,535	\$15,989	\$10,470	-3.3%	34.5%	\$22,676

SCHEDULE VARIANCE

Description and Cause: The unfavorable schedule variance (-\$0.5M; 5.1%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

Description and Cause: The unfavorable cost variance (-\$0.2M; -2.3%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

PROJECT ENGINEERING AND DESIGN (PED)

PERFORMANCE SUMMARY

Cumulative Performance – Project Engineering and Design						
	<u>BCWS</u>	<u>BCWP</u>	<u>ACWP</u>	<u>SV</u>	<u>CV</u>	<u>EAC</u>
HANDI	\$2,921	\$2,803	\$1,575	-4.1%	43.8%	
Pending Baseline	\$2,921	\$2,803	\$1,575	-4.1%	43.8%	\$2,333

SCHEDULE VARIANCE

PROJECT ENGINEERING AND DESIGN – CAPITAL PROJECTS

Project W-464 - Immobilized High-Level Waste Interim Storage (Line Item Funding)

Description and Cause: The unfavorable schedule variance (-\$0.1M; -4.1%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.

COST VARIANCE

PROJECT ENGINEERING AND DESIGN – CAPITAL PROJECTS

**Project W-464 - Immobilized High-Level Waste Interim Storage
(Line Item Funding)**

Description and Cause: The favorable cost variance (\$1.2M; 43.8%) is within the reporting threshold.

Impact: No impact.

Corrective Action: None required.