

Meeting Minutes

December 15th, 1999

Office of River Protection (ORP) TPA Quarterly Milestone Review Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement/TPA)

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

Date: 3/28/00

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

Date: 3/28/00

Approval: *Douglas R. Sherwood*
Douglas R. Sherwood (B5-01)
 EPA IAMIT Representative

Date: 3/28/00

Minutes Prepared by:
 Approval: *Deborah F. Iwatate*
Deborah F. Iwatate (A1-14)
 Fluor Hanford, Inc.

Date: 2-14-00

DISTRIBUTION

Ballard, W.	RL	A5-12 *	Murillo, D. G.	RL	A2-15
Barnard, M. A.	ORP	H6-60	Owens, M. M.	ORP	H6-60
Black, G. L.	BHI	H0-15 *	Piippo, R. E.	FH	A1-14 *
Brown, M. C.	ORP	H6-60	Poppiti, J. A.	ORP	H6-60
Bryson, D.	ORP		Rodriguez, H. M.	RL	A5-15 *
Cusack, L.	Ecology	B5-18 *	Rowland, D.	YN	*
Dagan, E. B.	RL	A5-15*	Sanders, G. H.	RL	A5-15 *
Dahl, S.	Ecology	B5-18 *	Sherwood, D. R.	EPA	B5-01 *
Dehn, W. T.	CHG	H6-63	Sidpara, A. B.	ORP	H6-60
Delozier, M. P.	CHG	H6-08	Simpson, C. B.	BHI	H0-11 *
Dixon, W. T.	LMHC	R1-51	Skinnarland, E. R.	Ecology	B5-18
Hertzel, J. S.	FH	A1-14 *	Sobczyk, S.	Nez Perce	
Iwatate, D. F.	FH	A1-14 *	Stanley, R.	Ecology	Lacey *
Jarvis, M. F.	RL	A5-15 *	Taylor, W. J.	ORP	H6-60 *
Johnson, S. C.	ORP	H6-60	Valero, A.	Ecology	B5-18
Kjarmo, K. J.	CHG	A1-14 *	Wilson, M. A.	Ecology	B5-18 *
Kruger, P. W.	ORP	H6-60	Yasek, R. M.	ORP	H6-60
Morrison R. D.	FH	A1-14 *	Yerxa, J. K.	RL	A5-15
			Administrative Record	EDMC	H6-08 *

* w/Attachments

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General

- Presentation material provided in Attachment 1/Handout.
-

FY-1999 Cost and Schedule Performance Overview

S. C. Johnson (for J. C. Peschong)

- No issues or questions were posed during this presentation
-

FY-1999 ORP TPA Milestones Status/Issues/Planned Activities

S. Dahl, H. Rodriguez

- Discussion regarding the M-32 milestone:
 - L. Cusack - noted that the M-32-00 milestone was missing from the summary list.
 - H. Rodriguez - responded that this would be addressed in the carryover issues section.
 - T. Valero - stated that there would be a letter coming from Ecology in mid-January regarding a decision on the M-32 milestone based upon their inspection/findings.
 - G. Sanders - stated that all pending items are/will be addressed within the ongoing negotiations.
 - S. Dahl - regarding retrieval/treatment... DQO's will not be covered in the pending negotiations, and perhaps they should be.
 - S. Dahl provided a clarification for the attendees regarding the definition of "recoverable": "...can be met within the current fiscal year period."
 - J. Poppiti provided the briefing on monitoring wells: priorities, funding, location, number of wells, forward plan(s).
 - M. Wilson requested that the minutes capture the regulators opinions on monitoring wells: that the monitoring wells are considered [by the regulators] to be a high priority as a part of the lead-in to interim stabilization. M-24 was cited as an example milestone, and he asked why that milestone wasn't also an ORP milestone. Went on to state the regulatory position regarding RCRA monitoring and Interim Stabilization (i.e., should be linked, can't have one without the other for compliance).
-

M-32-00 Complete Identified Dangerous Waste Tank Corrective Actions

A. Sidpara, R. Harwood, A. Valero

- Made a note of the fact that tank SY-101 cameras could be accessed/viewed from the Internet:
<http://www.rl.gov/rpp/sy-cam/index.asp>
 - Information about the pumping of SY-101 can be found at:
<http://www.hanford.gov/press/1999/orp/122199.orp.html>
 - L. Cusack requested that the minutes reflect that Ecology does not consider M-32-00 to be complete at this time, and not until verified by Ecology.
-

Interim Stabilization

A. Sidpara, W. Abdul, C. Ruud

- Handout pg. 10 presented. SX-104 pumping problem was explained and discussed briefly.
-

M-43-00 Tank Farm Upgrades

D. Bryson, D. Murillo, R. Heggen

- No issues, questions, comments regarding this presentation.
-

M-46-00 Double-Shell Tank Space Evaluation

A. Sidpara, R. Harwood, S. McKinney

- S. Dahl and G. Sanders engaged some discussion confirming the importance of this item. GS stating the DOE's view that this is considered critical and will require regulators and DOE to work closely together.
-

M-40-00 Safety Issue Resolution

J. Voice, D. Irby, A. Valero

- No presentation for M-40-00 was made at this meeting. Information was provided using an IAMIT/Milestone Review form, submitted 12/7/99 and provided as Attachment 2.
-

M-44-00 Tank Waste Characterization

D. Bryson, N. Welliver, D. Dougherty

- No issues noted.
 - S. Dahl – suggested that a review of the out-years (2001+) should be considered as work progresses. For example: Tank Waste Characterization needs to [also] address residual waste and treatment, as retrieval proceeds.
-

M-45-00 Single-Shell Tank Closure

D. Bryson, R. Lober, S. McKinney

- Difficulties with near-term retrieval actions are primarily a funding problem. There is basic, facilitating work that must get done, or there will be considerable problems down line.
 - S. Dahl – engaged in discussion about the MYPP vs the TPA, and the potential that they are/will be, out of sync.
 - G. Sanders – responded to emphasize the importance of funding realities. A collaborative relationship [with the regulators] is needed in order to set priorities, with consideration of available funding and resources.
 - General discussion regarding the logic of working on DST's when there are SST's just "sitting there" and potentially leaking/deteriorating.
 - S. Dahl – the SST retrieval program appears to be sacrificed in the near term, and this approach will come back to haunt us.
-

M-45-50 & M-45-60 Single-Shell Tank Corrective Action

D. Bryson, R. Yasek

- No issues, questions, comments regarding this presentation.
-

M-45-11 244-AR Vault Stabilization

A. Sidpara, M. A. Barnard, A. Valero

- No issues, questions, comments regarding this presentation.
-

M-50/51/60/61-00 Treatment & Immobilization of Hanford Tank Waste

W. Taylor, N. Brown, S. Dahl

- Noted that these milestones will all be addressed in the upcoming/ongoing Privatization change request(s). Stated the BNFL contract at the request of the regulator staff.
 - [BNFL] Contract language completed. Language incorporation to be completed by early January.
 - Revised permit schedule has been prepared. In the final stages of cost estimate review/scrub.
 - ORP conducting bimonthly rating/review of BNFL. [Schedule] recovery plans are established in case needed. All elements of the schedule are currently in an upward/tracking trend.
 - BNFL has met with banks and interest is high, funding is available.
 - General discussion regarding the Alternatives Study... including funding alternatives. EM-50 assistance in technology alternatives evaluation. Alternative path to the BNFL program. Report planned for availability in June/2000 to tell BNFL go/no-go. The Alternatives Study puts an element of competition into the BNFL program/effort and provides a benchmark by which to measure BNFL actions and approach.
-

M-90-00 Complete Acquisition of Facilities for Interim Storage of IHLW and Storage/Disposal of ILAW

W. Taylor, P. Lamont, R. Julian

- Glass in the Remote Handled (RH) Trench will be "RCRA glass", and not delisted.
- D. Sherwood noted that, "... this is part of the reason why he [EPA] wants the approach [to delisting] documented."
- LAW is incidental (and RCRA) waste. HLW must be delistable. There are no similar requirements for the LAW.
- G. Sanders – regarding the use of the trench... delisting of LAW is worth looking into and summarizing. Delisting of waste up front now becomes more "interesting" than previously, when dealing with vault-stored waste where delisting could occur much later.
- S. Dahl – requested a copy of the draft report presenting the approach for de-listing of IHLW. B. Taylor took the action to provide.
- S. Dahl – questioned why the Part B for the Canister Storage Building was on hold? B. Taylor – response that this was a funding issue.

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

December 15, 1999

Agenda

Office of River Protection Tri-Party Agreement Quarterly Milestone Review

December 15, 1999

Topic	Leads	Time
FY 1999 Cost and Schedule Performance Overview	Jon Peschong	1:30
FY 1999 ORP Tri-Party Agreement Milestones	Suzanne Dahl/Hector Rodriguez	1:45
Status/Issues/Planned Activities		
• Interim Stabilization (Consent Decree)	Ami Sidpara/Waheed Abdul/Casey Ruud	2:00
• M-32-00, Complete Identified Dangerous Waste Tank Corrective Actions	Ami Sidpara/Russ Harwood/Tony Valero	2:15
• M-43-00, Tank Farm Upgrades	Dana Bryson/Dave Murillo/Dick Heggen	2:30
• M-46-00, Double-Shell Tank Space Evaluation	Ami Sidpara/Russ Harwood/Scott McKinney	2:45
• M-40-00, Safety Issue Resolution	Joe Voice/Dennis Irby/Tony Valero (no presentation; form for this milestone submitted on 12/7/99)	
• M-44-00, Tank Waste Characterization	Dana Bryson/Nancy Welliver/Dave Dougherty	3:00
• M-45-00, Single-Shell Tank Closure	Dana Bryson/Bob Lober/Scott McKinney	3:15
• M-45-50, 60 Single-Shell Tank Corrective Action	Dana Bryson/Rob Yasek/	3:30
• M-45-11, 244-AR Vault Stabilization	Ami Sidpara/Maple Annette Barnard/ Tony Valero	3:45
• M-50, 51, 60, 61-00, Treatment and Immobilization of Hanford Tank Waste	Bill Taylor/Neil Brown/Suzanne Dahl	4:00
• M-90-00, Complete Acquisition of Facilities for Interim Storage of IHLW and Storage/Disposal of ILAW	Bill Taylor/Phil LaMont/Bob Julian	4:15

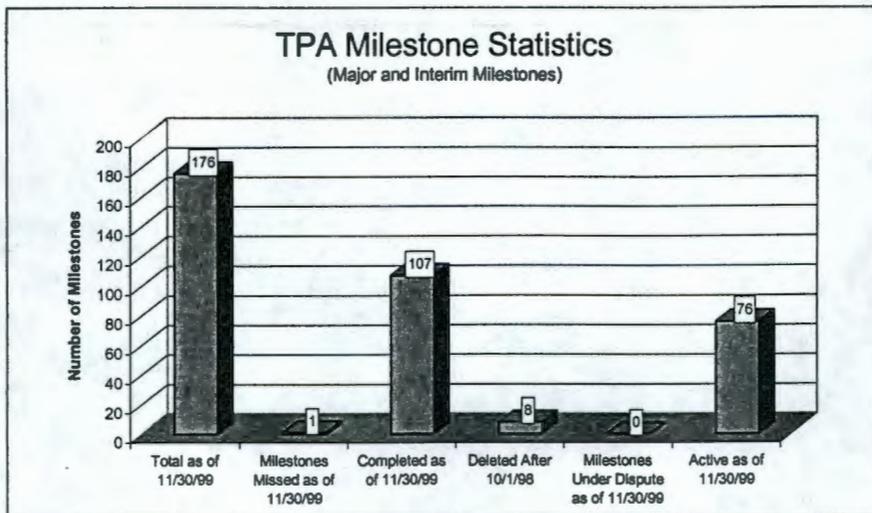
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FY 2000 Cost/Schedule Variance Summary

Through October 1999

PBS	Description and Cause	Impact/Corrective Action
<p>TW01 Tank Waste Characterization</p>	<p>Cost Variance (+47.8%): (+\$0.6M) Favorable cost variance results from fiscal year start-up issues with placing new contracts, and not receiving actual costs or re-accruals for FY 1999 contract work. Also a lag in billings for contract work started in October 1999 occurred.</p> <p>Schedule Variance (-16.6%): (\$0.3M) Behind schedule due to working on a revised tank sequence for sampling/characterization of the tanks. No impacts to milestones, maintain schedule.</p>	<p>Corrective Action: A concerted effort is being made to develop accrual information for Accounts Payable when it is not received by the vendor. This will help to ensure that more accurate costs are reported each month.</p> <p>Corrective Action: BCR being prepared to revise schedule based on the new tank sampling sequence.</p>
<p>TW02 Tank Safety Issue Resolution</p>	<p>Cost Variance (+148.9%): (+\$1.7M) Same explanation as TW01.</p> <p>Schedule Variance (-9.3%): (\$0.1M) workscope to complete Flammable Gas Refined Safety Analysis stopped per ORP directed change. A more qualitative approach opposed to quantitative approach is the preferred methodology.</p>	<p>Corrective Action: Same as TW01.</p> <p>Corrective Action: BCR being prepared with a revised schedule to reflect new methodology.</p>
<p>TW03 Tank Farm Operations</p>	<p>Cost Variance (+29.4%): (+\$2.6M) Same explanation as TW01</p> <p>Schedule Variance (-5.0%): Within the 7.5% threshold.</p>	<p>Corrective Action: Same as TW01.</p>
<p>TW04 Retrieval Project</p>	<p>Cost Variance (+95.1%): (+\$3.5M) Same explanation as TW01.</p> <p>Schedule Variance (-6.6%): (\$0.3M) Within the 7.5% threshold.</p>	<p>Corrective Action: Same as TW01.</p>

<p>TW05 Process Waste Support</p>	<p>Cost Variance (+70.1%): (+\$0.1M) Same explanation as TW01. Schedule Variance (-78.9%): (\$0.3M) Behind schedule due to not claiming performance on PIO activities due to ORP directed change to move activities to TW10.</p>	<p>Corrective Action: Same as TW01. Corrective Action: BCR processed to revise schedule and complete transfer to TW10.</p>
<p>TW08 Privatization Infrastructure</p>	<p>Cost Variance (+51.7%): (+\$0.4M) Same explanation as TW01. Schedule Variance (+57.0%): (+\$0.3M) Project W-519 electrical system design activities are ahead of schedule.</p>	<p>Corrective Action: Same as TW01. Corrective Action: None required.</p>
<p>TW09 Immobilized Tank Waste</p>	<p>Cost Variance (+47.8%): (+\$0.3M) Same explanation as TW01. Schedule Variance (-14.8%):(\$0.1M) Behind schedule due to: <ul style="list-style-type: none"> • ILAW and IHLW system definition work due to late approval of task packages. • Part B Permit for Canister Storage Facility not started due to Tri-Party Agreement negotiations. </p>	<p>Corrective Action: Same as TW01. Corrective Action: System definition work will begin in November. BCR will be prepared to defer Part B Permit work to early 2003.</p>
<p>TW10 Management Systems</p>	<p>Cost Variance (+45.5%): (\$0.9M)- Same explanation as TW01. Schedule Variance (-12.2%): (\$0.3M) Activities not started due to re-assignment of personnel and replanning of the workscope based on a new approach/guidance received for the work Management Module.</p>	<p>Corrective Action: Same as TW01. Corrective Action: BCR in process to re-plan the work.</p>



Milestone Completion Date	Total Milestones as of 11/30/99	Milestones Completed as of 11/30/99	Milestones Deleted After 10/1/98	Milestones Under Dispute as of 11/30/99	Milestones Active as of 11/30/99	Milestones Missed as of 11/30/99	
M-20-00 Submit Part B Permit Application on Closure/Post Closure Plans for all RCRA TSD Units	2/28/2004	3	0	0	0	3	0
M-40-00 Mitigate/Resolve Tank Safety Issues for High Priority Watchlist Tanks	9/30/2001	19	18	1	0	1	0
M-41-00 Complete Single Shell Tank Interim Stabilization	9/30/2000	12	12	7	0	0	0
M-43-00 Complete Tank Farm Upgrades	8/30/2005	20	16	0	0	4	0
M-44-00A Double and Single Shell Tank Characterization	9/30/2002	34	23	0	0	11	0
M-45-00** Complete Closure of all Single Shell Tank Farms	9/30/2024	42	12	0	0	29	1***
M-46-00 Double Shell Tank Space Evaluation	9/30/2003	26	12	0	0	14	0
M-50-00 Complete Pretreatment Processing of Hanford Tank Wastes	9/30/2024	4	2	0	0	2	0
M-51-00 Complete Vitrification 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	2	0	0	8	0
Total		176	107	8	0	76	1

*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). M-50-00, M-51-00, M-60-00 and M-61-00 milestones are being negotiated as part of ongoing privatization TPA negotiations.

** Does not include proposed groundwater/vadose zone milestones M-45-50 through M-45-60, which were in public comment through May 17, 1999. Ecology and DOE are currently working on the Public Comment Response Package.

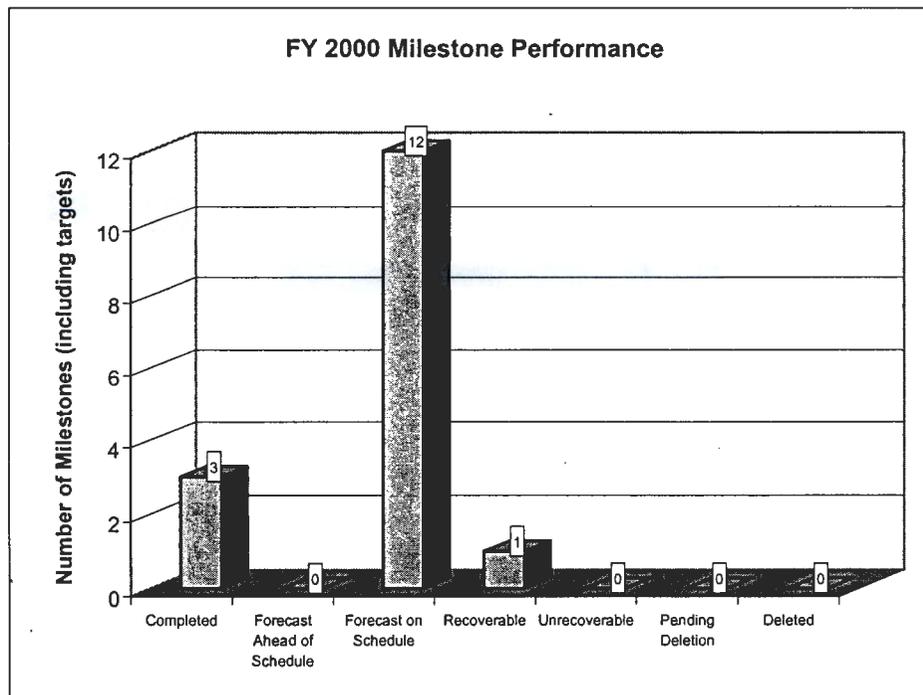
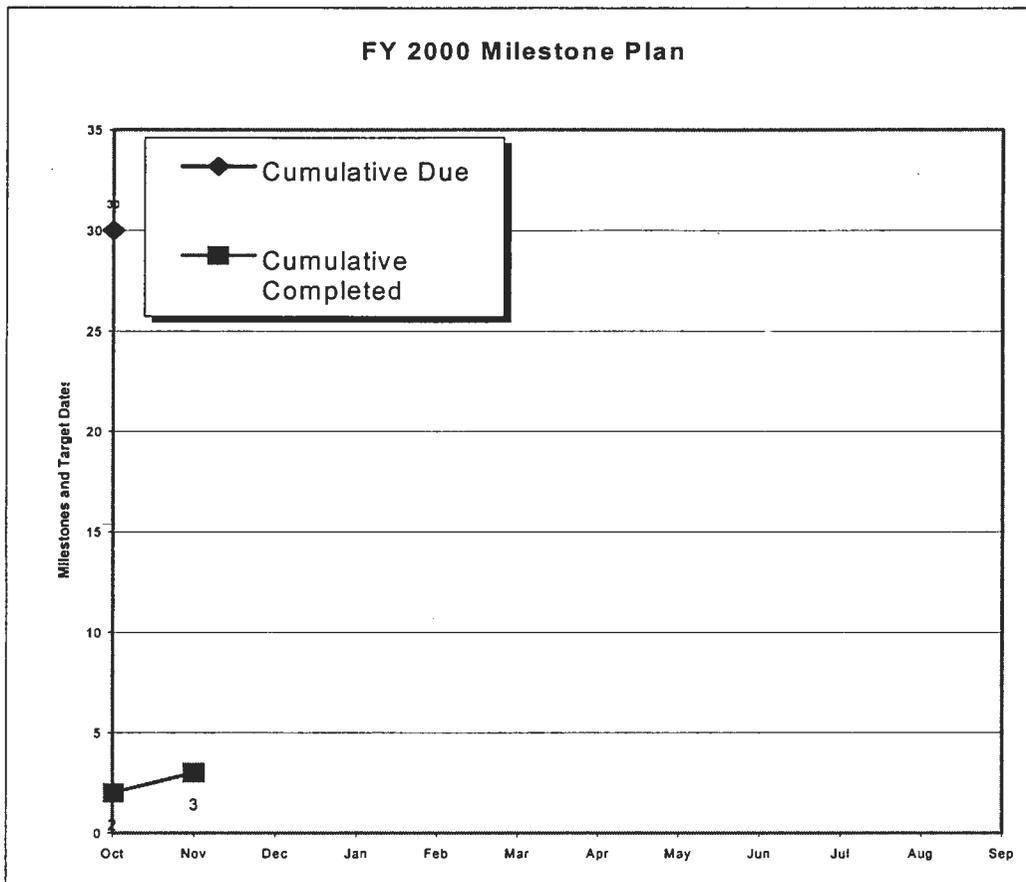
***Director of Ecology determination, August 8, 1997 letter.

Fiscal Year 1999 Tri-Party Agreement Milestone Status (Carryover Issues)

Milestone	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Pending Deletion	Deleted
				Ahead of Schedule	On Schedule				
M-32-00*	Complete Identified Dangerous Waste Tank Corrective Actions.	9/30/99	X						
M-45-03A	Initiate Sluicing Retrieval of C-106.**	10/31/97							
M-45-10A-T1	Submit DOE Approved DQO for Phase II Tank Waste Retrieval.	5/31/99					X		
M-51-04B-T1	Submit Approved DQO for Phase II HLW Feed Staging.	5/31/99					X		

*Ecology M-32-00 completion inspection is ongoing.

**The PCHB upheld the Director of Ecology's determination letter dated 10/8/97, denying DOE's request to extend the interim milestone. As a result, DOE and Ecology have finalized a new interim milestone to address the completion of C-106 sluicing activities by December 31, 1999.



Fiscal Year 2000 Tri-Party Agreement Milestone Status

Milestone	Description	Due Date	Completed	Forecast		Recoverable	Unrecoverable	Pending Deletion	Deleted
				Ahead of Schedule	On Schedule				
M-43-13	Start Construction for Upgrades in the Second Tank Farm	6/30/00			X				
M-44-13D	Submit Draft WIRD for FY 2001	6/30/00			X				
M-44-14D	Submit Final WIRD for FY 2001 to Ecology	8/31/00			X				
M-44-15D	Issue Characterization Deliverables Consistent with WIRD Developed for FY 2000	9/30/00			X				
M-44-16D	Complete Input of Characterization Information for HLW Tanks per WIRD Sampling into Electronic Database. Offsite Access to be Available to EPA and Ecology	9/30/00			X				
M-45-02E	Submit Annual Update of SST Retrieval Sequence Document for Ecology Approval	9/30/00			X				
M-45-03B	Complete C-106 Sluicing	12/31/99			X				
M-45-09E	Submit Annual Progress Report on the Development of Waste Tank Leak Monitoring and Mitigation Activities in Support of M-45-08	9/30/00			X				
M-45-11A	Submit 244-AR Vault Interim Stabilization Plan for Ecology Approval	4/30/00			X				
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.	10/31/99	X						
M-45-53	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 B-BX-BY	5/31/00			X				
M-45-56-T01	Summarize Results of Engineering Studies and Recommendations on Isolating Water Lines in or Near SST WMAs, and Controlling Surface Drainage at SST WMAs and Submit these Results to Ecology.	10/31/99	X						
M-45-50-T03	Issue Final Baseline Spectral Gamma Logging Report for B Tank Farm	3/31/00			X				
M-46-01F	Concurrence of additional tank acquisition	11/30/99	X						
M-46-00G	DST Space Evaluation	9/30/00			X				
M-90-07-T01	Complete ILAW Disposal Conceptual Design	6/30/00				X*			
TOTAL			3	0	12	1	0	0	0

* This target date needs to be renegotiated and will be addressed within the privatization negotiations.

Change Request M-41-99-01

The M-41-99-01 Change Request was finalized on October 14, 1999. The remaining M-41-01 milestones have been deleted.

M-40-07 Dispute

The finalization of Change Request M-41-99-02 has resolved this dispute. The M-40-07 interim milestone has been deleted.

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

DOE and Ecology continue working jointly to finalize the Public Comment Response Document.

**M-32-99-02 244-AR Vault
Interim Status Tank Actions
and M-45-99-02 244-AR
Stabilization Activities**

The dispute was resolved on Nov. 10th with the mutual approval of Change Request M-45-99-02.

Interim Stabilization Consent Decree

Consent Decree Status, Complete Single-Shell Tank Interim Stabilization

Milestone Description and deliverable (Near-term):

- Initiate pumping of tanks S-102, S-103, and S-106 by July 31, 1999
 - Met
- Initiate pumping of tanks U-103, U-105, U-102 and U-109 by June 15, 2000
 - Ahead of schedule. Initiated pumping of U-103 and U-105

Detailed status as of December 12, 1999

- Currently, Single-Shell Tanks (SSTs) 241-SX-106, 241-S-102, 241-S-103, S-106 and U-103 are being interim stabilized.
- Pumping for Interim stabilization initiated for Tank U-105 on December 10, 1999.
- Tank T-104 is declared stabilized by Contractor. Ecology will be notified at the completion of review.
- Pumping has been discontinued for tanks 241-T-110 and 241-SX-104 due to equipment failure. Evaluation in progress to determine stabilization of these tanks.
- Updated projected total pumpable liquid waste is 4.0M-gallon.
- Approximately 548,270 gallons of liquid waste removed (13.7% of total)
- Updated projected total pumpable organic complexant liquid waste is 502,000 gallon.
- 50,681 gallons of organic complexant liquid waste removed (10% of total)

Planned Activities:

- Declare Tanks 241-T-104, 241-T-110 and 241-SX-104 interim stabilized.
- Engineering and Field work in progress to support Tanks U-102, U-109, A-101 and SX-105 for Fiscal Year 2000 pump starts.
- Increase pump efficiencies to above 40%

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

DST ASSESSMENT ACTIVITIES:

*** DST ASSESSMENT ACTIVITIES LISTED BELOW WERE NOT INCORPORATED INTO THE
MILESTONE M-32-00***

• DST system examination progress:

241-AN-105	complete ¹
241-AY-102	complete ¹
241-AN-106	complete ¹
241-AZ-101	complete ¹
241-S-304 Catch Tank	complete

¹ completed in accordance with *Engineering Task Plan for the Ultrasonic Inspection of Hanford
Double-Shell Tanks*, HNF-2820, Rev. 2

• Design evaluation progress:

241-AW Tank Farm	complete
241-AN Tank Farm	complete
241-AY Tank Farm	complete
241-AZ Tank Farm	complete
241-AP Tank Farm	complete
241-SY Tank Farm	complete
244-BX DCRT	complete
244-TX DCRT	complete
244-A DCRT	complete
241-A-350 Lift Station	complete
204-AR Waste Unloading Facility	complete
241-S-304 Catch Tank	complete
241-UX-302A Catch Tank	complete

- | | |
|------------------------|----------|
| 241-TX-302C Catch Tank | complete |
| 241-U-301B Catch Tank | complete |
| 241-AZ-151 Catch Tank | complete |
| 241-ER-311 Catch Tank | complete |
| 241-AX-152 Catch Tank | complete |
| 241-EW-151 Catch Tank | complete |
- DST System Integrity Assessment Reports:
 - 241-AN Farm completed and released
 - 241-AP Farm completed and released
 - 241-AW Farm completed and released
 - 241-AY Farm completed and released
 - 241-AZ Farm completed and released
 - 241-SY Farm completed and released
 - 241-ER-311, EW-151, U-301B,
and S-304 Catch Tanks 90% complete²
- ² Previously reported as 97% complete with planned release in November--additional LMHC review has identified deficiencies requiring further modifications.
- DST System Assessment Planned Activities:
Integrity Assessment Reports and supporting examinations to be completed during FY 2000 for the following:
 - 244-BX DCRT
 - 244-TX DCRT
 - 244-A DCRT
 - 204-AR Waste Loading Facility
 - 241-AX-152 catch tank
 - 241-AZ-151 catch tank
 - 241-TX-302C catch tank
 - 241-UX-302A catch tank
 - 241-A-350 lift station

Milestone M-43-00, Tank Farm Upgrades

- Complete design of the Master Pump Shutdown Package in September 2000.
- Completed design activities for the new "200E Waste Transfer System" in September 1999.
- Completed construction activities on the AN Farm Valve Pit Upgrades on Schedule on September 30, 1999.
- Remaining of AN Farm upgrades to be completed by July 2002.
- Completed design rebaseline of Phase 2 activities in September 1999.
- Initiated construction activities on October 1999 in the AY Farm.

Planned Activities:

- Continue design of master pump shut-down system.
- Initiate construction of AZ Farm upgrades in July 2000. This is due to the re-baselining effort.

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

Status:

- DOE received DST space evaluation letter from Ecology on Nov. 30, 1999 and follow-up letter on Dec. 1, 1999 rescinding specific items in initial letter. DOE intends to respond by the Jan. 31, 2000 deadline and is currently pursuing discussions with Ecology.

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

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

Status:

- The process of developing the FY 2001 TSB-WIRD will begin in January 2000.
- Obtained two core samples from tank AZ-101 after November 30. Sampling status in the following table is as of November 30.

	Tanks Scheduled/Completed	Samples Scheduled/Complete	FY00 Commitment
Auger	0/0	0/0	0
Core	0/1	0/2	12
Vapor	0/0	0/0	6
Grab	1/1	1/1	12

- Plan to deliver a total of 13 new and revised Tank Characterization Reports (TCRs) for FY 2000, currently two draft TCRs are under ORP review.

Privatization:

- All work has been stopped on the January 2000 scheduled AN-104 shipment to BNFL. BNFL wrote a letter to ORP on December 1, 1999 stating that the material is not needed for process testing.

Partnering Team Meetings:

- A Partnering Team Meeting was held on October 27, 1999. Items discussed were; FY-2000 activities, BNFL implementation of the Privatization Regulatory Data Quality Objective, and an administrative change to Milestone M-44 that would allow ORP's annual final report to be delivered to Ecology on October 31.

Issues:

- No issues to report.

Planned Activities:

- M-44-13D: Submit Draft WIRD for FY 2001 to Ecology; due date 6/30/00.
- M-44-14D: Submit Final WIRD for FY 2001 to Ecology; due date 8/31/00.

- M-44-15D: Issue Characterization Deliverables Consistent with WIRD Developed for FY 2000; due date 9/30/00.
- M-44-16D: Complete Input of Characterization Information for HLW Tanks for which Sampling and Analysis were completed Per the FY 2000 WIRD into Electronic Database; due date 9/30/00.

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

SST retrieval milestones commencing in 12/00 (M45-08A) are not compatible with immobilization plant waste processing rates and DST availability. Have initiated discussions with Ecology in June to secure their values in reframing M45 scope and schedule.

Status:

- M-45-02E: SST Retrieval Sequence
 - Will meet M45-02E, "Annual update of SST retrieval sequence."
- M-45-09E: Leak Monitoring/Detection and Mitigation
 - Will meet M45-09E "Annual Progress Reports on the Development of Waste Tank Leak Monitoring/Detection and mitigation Activities.
 - Briefed Ecology on LDMM strategy during October 1999 SST partnering meeting and received comments on strategy which will be incorporated.
- M45-08A: Complete system design and operating strategy for tank leak monitoring and mitigation for systems to be used in conjunction with initial retrieval systems for SSTs
 - Baseline change request in process meets this milestone and builds upon the -09 series.
- M-45-03A / 03B: C-106 Sluicing

Status:

- The last batch of sluicing transfer commenced on October 6, 1999. An estimated 5 ft., 8 in. of sludge has been transferred from tank C-106 to AY-102, which is more than 95% of the total waste in C-106.
- Currently, tank C-106 has an estimated 3,000 to 5,000 gallons of sludge/hard pan and about 40,000 to 50,000 gallons of supernate.
- Transmitted letter no. 00-ORL-010 dated December 6, 1999 to Ecology documenting completion of the TPA interim milestone M-45-03B.
- The FY00 plan includes repair of the in-tank camera to view the in-tank condition to determine the extent of sluicing, and evaluate the Authorization Basis modification to remove C-106 from active ventilation.

Issue:

Awaiting Ecology concurrence on the completion of C-106 sluicing and closure of the action identified in the Director's determination.

M-45-50, -60 Single-Shell Tank Corrective Action**M-45-50: Complete development of a spectral gamma logging baseline for SST farms (9/29/00)**

- High-rate logging continues in SST farms. As of 12/6/99, logging is starting in TY Tank Farm.

- **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)**

- Comments were received from Ecology and are being incorporated into the document, as appropriate, for final approval.

- **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)**

- The work plan addenda has been submitted to Ecology for review, in October 1999. Comments were received from one Ecology reviewer and another has provide a notice of extension to allow 60 additional days to complete a review of the document.

- **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)**

- Project members met with Ecology vadose zone points of contact to review data from the borehole drilled near SX-115 and to discuss further analyses needed.

M-45-11, 244-AR Vault Stabilization

3 Month Look Behind

Milestone M-32-06, "Complete 244-AR Vault Interim Status Tank Actions" Prior to Restart

- The dispute on the 244AR Vault was resolved by the M-45-99-02 Change Request.
- M-45-99-02 Change Request established two new milestones:
 - M-45-11A: Submit 244ARVault Stabilization Project Plan by 4-30-00
 - M-45-11: Complete stabilization by 9-30-03
- Thursday, Dec. 9th representatives from DOE ORP met with Ecology to discuss the preferred option for developing the 244AR Vault Stabilization Project Plan. Ecology committed to complete review of proposed option and notify DOE the week of Dec 20th.

6 Month Look Ahead

- Meetings with Ecology will be held throughout the development of the Project Plan to establish and document the appropriate activities, endpoint criteria, and schedule to meet M-45-11, Stabilization.
- Submit 244AR Vault Stabilization Project Plan by 4-30-00 in accordance with Milestone M-45-11A.

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

BNFL Phase B-1 Deliverables FY 1999				
Contractual Date	Actual Date	Task Lead	Item No.	Description
10/24/99	10/25/99	LAH	B-1-44	Draft Approach for ILAW LDR Compliance
	10/22/99	NRB	B-1-21	Transmittal of Waste Treatment Plant Products & Secondary Wastes Plan
	10/25/99	DDB	B-1-30	Deliverable, B-1-30, Quality Assurance Provisions Document
10/24/99	d/n/r	NRB	B-1-46	Materials Control & Accountability Plan
10/24/99	d/n/r	NRB	B-1-47	Security Plan
10/24/99	d/n/r	NRB	B-1-48	Classified Attachment
10/24/99	10/25/99	PTF	B-1-63	Waste Minimization Incentives - Draft
Not Specified	10/26/99 resubmitted	LAH	B-1-35	DWPA Reviews
Update	10/26/99	RC	B-1-70	Submission of Approved Update of ICD & Comment Dispositions
Update	10/29/99 resubmitted	PTF	B-1-2	RPP-WTP Integrated Master Plan
Update	10/29/99 resubmitted	PTF	B-1-3	Initial Cost Documentation Package Update
11/24/99	12/6/99	PTF	B-1-5n	Monthly Status Report
Update	11/16/99 resubmitted	PTF	B-1-51	Business and Finance Completion Plan and Equity Assessment Scenario

Update	11/16/99 resubmitted	PTF	B-1-55	Submission of Price Trend to Support the Cost, Schedule, and Risk Trend, November 1, 1999
11/24/99	11/22/99	LAH	B-1-42	Draft Approach for IHLW Delisting
12/24/99		PTF	B-1-5o	Monthly Status Report
12/24/99	resubmit	PTF	B-1-2f	Integrated Master Plan (Trend Report)
12/24/99	resubmit	PTF	B-1-3e	Project Cost Documentation Update
12/24/99		PTF	B-1-60e	Estimate of Termination Obligations Initial Cost Documents - Update

Status:

- Pricing/re-pricing Contract negotiations completed.
- Contract negotiations on changes resulting from System Analysis and Optimization Studies underway.
- BNFL and DOE are working to establish a revised permitting schedule.
- DOE has not concurred with the Integrated Master Plan (B-1-2). Approach to obtain concurrence defined.
- DOE has not concurred with the Project Cost Estimate (B-1-3). Approach to obtaining concurrence defined.
- BNFL conducted a Vitrification Technology Review Meeting for DOE Dec. 7-8, 1999.

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 IHLW, ILAW, and disposal of ILAW, and M-20-00, Submit Part B Permit Applications

Status:

- M-90-01, Submit Interim Storage and Disposal ILAW and Interim Storage IHLW PMPs to Ecology (12/97)
 - Revised PMPs based on the BNFL contract dates were completed September 1, 1999. Copies will be provided to Ecology for information.
- M-90-05T, Submit final ILAW disposal facility Performance Assessment (PA) to Ecology for review (12/01)
 - The Low-Activity Waste Federal Review Group (LFRG) conditionally accepted the ILAW PA at a LFRG team meeting at Hanford on August 16-17, 1999. A Disposal Authorization Statement was issued on October 25, 1999.
 - A near-term condition is to provide a status report to the LFRG by December 31, 1999 on the results of testing various glass formulations proposed by ORP and the Office of Science and Technology. Data will feed into an April 2000 “white paper” on ILAW glass performance to support the August 2000 decision to proceed with privatization.
- M-90-07T, Complete ILAW disposal facility conceptual design (6/00)
 - On December 1, 1999, ORP issued a letter approving the contractor’s recommendation to adopt the “Remote Handled Trench” concept as the basis for the ILAW disposal facility design (Project W-520). The RH trench concept is estimated to save about \$250 M over the current baseline approach based on the Grout Vaults and new vault facilities. This concept will be evaluated to determine if it falls outside the current TWRS EIS and Record of Decision.
- M-90-03, Initiate ILAW interim storage facility construction (06/01)
 - Project W-465 was tentatively planned as a FY02 start. However, as a result of the remote handled trench decision, a TPA change request to delete ILAW interim storage milestones appears to be needed. The Grout Vaults would be retained for other potential storage/disposal needs.

- M-90-11, Complete canister storage building construction (12/02)
 - Project W-464 advanced conceptual design studies including thermal and structural analyses are scheduled for FY00.
 - The need to install insulating concrete is being re-evaluated.
- M-90-12, Submit revised canister storage facility Part A (06/99)
 - NOI for Project W-464 prepared and submitted 1/15/99.
 - The Canister Storage Building Part A was submitted on 6/28/99.
- M-20-56, Submit canister storage facility Part B (12/00)
 - On hold.
- M-20-57, Submit interim ILAW facility Part B permit application to Ecology (12/2000)
 - On hold.

Issues:

- MYWP schedule for M-90 and M-20 milestones is inconsistent with TPA dates.

Planned Activities:

- Prepare M-90 and M-20 Change Request to delete ILAW interim storage milestones in accordance with the Remote-Handled Trench decision. (The TPA Change Request to change W-465 scope from interim storage to disposal is no longer needed.)
- Rebaseline ILAW and IHLW plans to be consistent with outcome of TPA negotiations.
- DOE will be requesting sealed source determination for IHLW canisters and ILAW containers from DOH based on final design information from BNFL.

Hanford Federal Facility Agreement and Consent Order
IAMIT Milestone Review Form
(For Milestones Without Issues or Significant Activity)

M-40-00 Summary

Date: 12/15/991. Significant Activities Last Three Months

High Heat Safety Issue resolution package has been sent to DOE HQ for approval and removal of tank 241-C-106 from the Watch List.

2. Budget Status (within budget or explain variance)

No negative cost variance reported. Schedule variance of \$120K (9%) due to DOE re-direction of Flammable Gas accident analysis methodology.

3. Issues

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

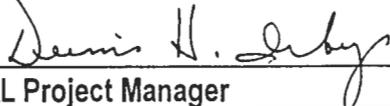
4. Non-TPA Regulatory Issues with Potential Impact to TPA Milestone

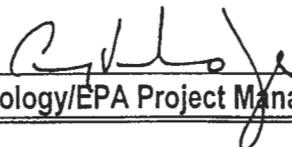
None

5. Significant Activities Planned Next Three Months

Continue to implement SY-101 Level Rise Remediation Project Plan.
Submit Organic Solvent documentation to DOE-HQ to resolve safety issue.
Continue to revise the flammable gas accident analysis methodology.

Note: Approved form to be submitted to IAMIT members 7 days prior to scheduled Milestone Review.


RL Project Manager


Ecology/EPA Project Manager