

**Central Plateau  
Tri-Party Agreement Milestone Review  
Meeting Minutes  
July 19, 2007**

Approval: *J. Hedges* Date: 9/20/07  
**J. Hedges** (H0-57)  
*Ecology IAMIT Representative*

Approval: *M.S. McCormick* Date: 9/24/07  
**M.S. McCormick** (A5-11)  
*DOE IAMIT Representative*

Approval: *Craig E. Cameron for* Date: 9/20/07  
**N. Ceto** (B1-46)  
*EPA IAMIT Representative, Chairperson*

Minutes Prepared by:

*Souya Moore* Date: 9-25-07  
**S.L. Moore** (H8-40)  
*Fluor Hanford, Inc.*

Ayres, J.M.	Ecology	H0-57	Mattlin, E.M.*	RL	A5-11
Bartus, D.	EPA	H0-57	McCormick, M.S.*	RL	A5-11
Bilson, H.E.*	FH	H8-20	McKarns, A.C.	RL	A5-15
Bond, R.*	Ecology	H0-57	Miskho, A.G.	FH	H8-40
Bohnee, G.*	NPT		Morrison, R.D.*		
Boyd, A.	Ecology	B1-46	Moy, S.K.	RL	A6-38
Cameron, C.E.*	EPA	B1-46	Niles, K.	OOE	
Ceto, N.*	EPA	B1-46	Noland, T.W.*	FH	H8-12
Chalk, S.E.	RL	A7-75	Nuzum, J.L.*	FH	H8-12
Charboneau, B.L.	RL	A6-33	Piippo, R.E.*	FH	H8-12
Charboneau, S.L.	RL	A5-11	Price, J.	Ecology	H0-57
Cimon, S.*	ODE		Quigley, K.M.*	FH	H8-44
Cusack, L.	Ecology	H0-57*	Romine, L.D.	RL	A6-33
Dagan, E.B.*	RL	A5-11	Russell, R.W.*	ORP	H6-60
Faulk, D.A.*	EPA	B5-01	Skinnarland, E.R.*	Ecology	H0-57
French, M.S.*	RL	A6-38	Sinton, G.L.*	RL	A6-38
Frey, J.A.	RL	A5-13	Thompson, K.M.*	RL	A6-38
Gadbois, L.E.*	EPA	B1-46	Thompson, S.A.*	FH	H8-12
Harris, S.	CTUIR		Triner, G.C.*	FH	R3-62
Hedges, J.*	Ecology	H0-57	Watson, D.J.*	FH	X3-79
Henry, D.	OOE		Weil, S.R.*	DOE	A5-16
Hopkins, A.M.*	FH	H8-25	Whalen, C.L.*	Ecology	H0-57
Horst, L.	OOE		Williams, J.D.*	FH	E6-35
Huffman, L.A.*	ORP	H6-60	Wise, B.K.	FH	B3-30
Jackson, D.E.	RL	A4-52	Wolf, A.	CTUIR	
Jim, R.	Yakama		Administrative Record		H6-08
Knox, K.E.*					
Lutz, K	HQ	A7-75	*Attendee		
Mandis, M.L.*	Ecology	H0-57			

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**TPA Milestone M-083-00 - PFP Closure Project**

M-083-22 – Submit EE/CA for Approval

RL worked with the regulators and it was determined that this document would be revised and submitted as an analysis report. This has been completed and transmitted to Ecology for concurrence that the milestone is complete.

M-83-41 - Complete Transition and Dismantlement of the 216-Z-9 Crib Complex

RL will be working closely with EPA and Ecology to develop the removal action work plan once dismantlement of the Z-9 crib complex is closer to completion.

M-083-42 – Complete Transition and Dismantlement of the 241-Z Waste Treatment Facility

This milestone has been completed four years ahead of the TPA due date. EPA asked what the status was of the underground tanks and if they were empty or filled with sand. RL stated that one was partially filled and the rest were awaiting a final decision.

Accomplishments

All but one of the gloveboxes scheduled for cleanout in FY 07 and FY 08 have been cleaned. Eleven new gloveboxes have been identified for cleanout in FY 08. The draining of the pulser glovebox liquids was completed in July 2007.

Deployment of the web-crawler and camera into the Z-9 crib to analyze the structural integrity has been completed. This is receiving a lot of attention and RL will work closely with the regulators to coordinate this work effort.

Planned Activities

Continue cleaning out the gloveboxes in 234-5Z; they are not being decontaminated at this time, just cleaning the equipment out of them.

Packaging of 100 3013s into 9975 shipping containers has begun. RL has directed FH to be ready to ship to an off-site facility by September 1, 2007. RL has not received a final decision to ship, but an August 1 letter of direction from DOE Headquarters is anticipated. If the direction to

ship is received, resources from D&D will be taken to use for shipping. That may impact the accelerated D&D work, unless more funding is identified.

### Cost and Schedule

RL noted that PFP is an older facility and upgrading is necessary for some of the safety systems, such as ventilation and fire protection systems. This is impacting the favorable cost variance that the project is currently showing. Also, if the direction to ship is received, resources will be transferred from D&D activities to shipping activities. This will impact the D&D activities unless additional funding is obtained to support both activities.

### **TPA Milestone M-26-01 - Land Disposal Restrictions Report**

The final transmittal of the 2006 annual summary LDR report with responses to Ecology's comments is being prepared for submittal to Ecology.

### **TPA M-91 Milestone Series Quarterly Presentation**

RL stated that T Plant has been repackaging approximately 100 containers for certification each month for May and June. WRAP completed 44 in June, but was impacted in April and May with the criticality issue.

There was discussion about the condition of some drums in older burial grounds; the top drums appear to have been crushed when the trench was backfilled. One possibility for handling these, since they will most likely be designated as low level waste, is to put several drums into a large container to avoid handling each drum any more than necessary. EPA agreed that this issue would be looked into.

RL noted that due to an issue with a drum from Idaho, all WIPP shipments have been stopped until a corrective action is identified. Ecology referred to an advisory board meeting last fall during which the site manager for WIPP reported on the possibility of losing the ability to place remote-handled (RH) waste in WIPP due to the escalation of contact-handled (CH) waste. Ecology noted the possibility of increased RH capability at the Hanford site for shipping to WIPP, and asked about further discussions to meet those demands. RL responded that WIPP is looking at different options to avoid the issue of the inability to accept all the RH waste.

### **TPA M-92-05, Facilities for Cesium/Strontium**

RL reported that a change package has been generated to defer direct disposal of the capsules at Yucca Mountain to 2017. A cost study verified that direct disposal is the most cost-effective approach. The next significant event would be either Yucca Mountain opens or RL receives funding for dry storage of the capsules (approximately \$50-\$70 million). (NOTE: Subsequent to the meeting, an IAMIT Milestone Review Form was provided that allows for suspension of M-092-05 milestone presentations until such time as significant activities commence.)

## **TPA M-20 Milestone Review - Permits and Closure Plans**

RL provided a handout summarizing the milestone status, accomplishments and planned actions.

## **M-13-00, M-15-00, M-16-00, M-24-00 - Central Plateau Milestone Review**

### Significant Accomplishments

M-016-00 – Have approved Work Control Plan and Sampling and Analysis Plan for 241-U-361 Settling Tank. EPA noted that this is a highly contaminated tank and there will be contamination that will have to be dealt with. RL noted that they believe it is being sampled today (7-19-07).

M-24-00 - Drilling has started on the CY 2008 wells.

Ecology inquired about the recent water line leak and the water line rehabilitation work. RL responded that the main lines that supplied water throughout the Central Plateau were refurbished, and the leak was in one of the refurbished lines. Water line refurbishment is not currently being done, but FH is taking out water lines that are no longer needed. RL will provide an overall status next quarter on the water lines, including the cause of the recent water line leak and the corrective actions taken.

### Planned Activities

EPA inquired about funding availability for continuing work in the 200 Area North. RL responded it has not been funded yet, but funding is anticipated. FH inquired about the priority among the buildings, soil, and rail cars in the 200 Area. EPA responded that the first priority is contaminated soil to avoid using clean soil for fill at ERDF. RL added that it is going forward with an analysis and remedy for the three areas, and it will be funded as a priority for the soil sites.

100-HR-3 - Evaluate types of zero-valent iron for use in ISRM barrier. The first set of lab and field tests were funded. The zero-valent iron in the lab tests did not react as well as anticipated, and additional lab tests need to be performed. RL is considering using the field test funding for more lab tests, but is also pursuing additional funding from HQ.

100-BC-5 – RL is integrating with WCH on completing two wells within the waste sites. EPA asked if the drilling had started as yet and RL did not believe it had. EPA requested that Ecology notify them when drilling started.

## **TPA M-34 Milestone Review - Hanford K Basins Closure Project**

M-34-30 - Initiate sludge treatment (at risk) - EPA asked when the new schedule for the sludge treatment design will be provided. RL responded that the schedule will be out sometime next year. RL also noted that the initiate sludge treatment work will be in the new Central Plateau

contract, and the new contractor will be provided with the design for treatment.

### **Treatment of Sludge**

EPA asked whether RL was still considering treating the sludge at T Plant. RL responded that following an alternative analysis by FH last fall, treating the sludge at T Plant remains a technical uncertainty. Determining how to remove the sludge from K Basins and how treat it at T Plant increases the technical difficulty by two, which is not RL's intent. RL stated that it received input from WIPP regarding treatment. EPA expressed concern regarding when the sludge will be removed from the basin and what the treatment option will be. RL responded that it has a baseline for treatment, which it is still following, with the intent of enhancing the baseline. RL will inquire at today's bi-weekly meeting with regard to EPA's concerns and provide a status.

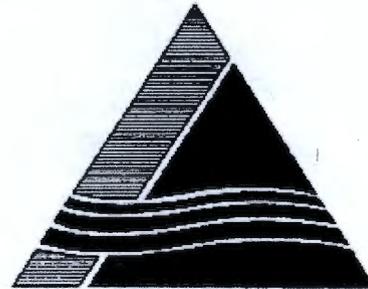
RL reported on the independent assessment of the ability of the Cold Vacuum Drying Facility (CVDF) to support sludge treatment. EPA stated that, for the last several years, their understanding is that the sludge was to be treated at the CVDF, and now there appears to be an issue with that. FH explained that the assessment was to determine what, if any, upgrades may be needed (such as upgrading the ventilation system) to bring the facility up to current standards for treatment of sludge.

### **Project Baseline**

EPA asked if RL had funded FH to accelerate the removal of all fuel in K West within their current contract terms. RL and FH explained that was within the FY 2008 contract and plan.

# CENTRAL PLATEAU MILESTONE REVIEW

**M-013-00, M-015-00, M-016-00, M-024-00**



*Tri-Party Agreement*

**U.S. Department of Energy  
U.S. Environmental Protection Agency  
State of Washington, Department of Ecology  
3rd Quarter FY07  
July 19, 2007**

# Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
<b>M-013-00</b>			
M-013-06B	3/31/07	Submit the 200-BP-5 OU RI/FS Work Plan to EPA	COMPLETE
M-013-10A	9/30/07	Submit the 200-PO-1 OU RI/FS Work Plan to Ecology	Ahead of Schedule
M-013-27	6/30/07	Submit a revised RI/FS Work Plan for the 200-IS-1 and 200-ST-1 OUs to Ecology	<b>COMPLETE</b>
M-013-28	9/30/07	Submit a revised RI/FS Work Plan for the 200-SW-1 and 200-SW-2 OUs to Ecology	On Schedule
M-013-50	3/31/07	Submit to Ecology and EPA one RI/FS work plan for all supplemental characterization required for 200 Area OUs.	COMPLETE
M-013-51	12/31/06	Submit an addendum to the 200-TW-1/2 PW-5 OU Group RI/FS work plan.	COMPLETE

# Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
<b>M-015-00 and M-015-00C</b>			
M-015-17A	11/30/10	Submit 200-UP-1 RI/FS and PP	-----
M-015-21A	10/31/10	Submit 200-BP-5 FS and PP	-----
M-015-38B	05/31/09	Submit 200-CW-1 Revised FS and PP	On Schedule
M-015-40D	04/30/08	Submit 200-CW-2, 200-CW-4, 200-CW-5, and 200-SC-1 Revised FS and PP	Change request in process
M-015-42D	12/31/11	Submit 200-TW-1 and 200-PW-5 Revised FS and PP	-----
M-015-42E	12/31/11	Submit 200-TW-2 Revised FS and Revised Recommended Remedies	-----
M-015-43D	12/31/10	Submit 200-PW-2 and 200-PW-4 FS and Revised Recommended Remedies	-----
M-015-44B	12/31/08	Submit 200-MW-1 FS and PP	Change request in process
M-015-45A	10/31/06	Submit 200-PW-10U Remedial Investigation Report	COMPLETE
M-15-45B	9/30/07	Submit 200-PW-1, 200-PW-3, and 200-PW-6 FS and PP	On Schedule
M-015-46B	12/31/11	Submit 200-LW-1 and 200-LW-2 FS and Recommended Remedy	-----
M-015-48B	9/30/07	Submit 200-ZP-1 FS and PP	On Schedule

# Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
<b>M-015-00 and M-015-00C (continued)</b>			
M-015-49A	12/31/08	Submit 200-MG-1 FS and Recommended Remedy	On Schedule
M-015-49B	12/31/08	Submit 200-MG-2 FS and PP	On Schedule
M-015-50	12/31/07	Submit Treatability Test Plan for Deep Vadose Zone Tc-99 and Uranium	On Schedule
M-015-51	4/30/10	Submit 200-BC-1 Revised FS and PP or BC Cribs and Trenches	-----
<b>M-016-00</b>	<b>Remedial Design / Remedial Action</b>		
M-016-00	09/30/24	Complete Remedial Actions for all Non-Tank Farm Operable Units	-----
M-016-14A	5/31/07	Complete Construction of Permeable Barrier for 100-NR-2	<b>COMPLETE</b>
M-016-14B	8/31/08	Submit Draft CERCLA Proposed Plan for 100-NR-1/100-NR-2	On Schedule

# Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
<b>M-024-00</b>			
M-024-57J	12/31/06	DOE Shall Install a Cumulative of 60 Wells by 12/31/06	COMPLETE
M-024-57M	12/31/07	DOE Shall Install a Cumulative of 75 Wells by 12/31/07	COMPLETE
M-024-57N	12/31/08	DOE Shall Install a Cumulative of 90 Wells by 12/31/08	On Schedule
M-024-57O	12/31/09	DOE Shall Install a Cumulative of 105 Wells by 12/31/09	-----
M-024-00	TBD	Complete Well Installations in Accordance with RCRA/CERCLA Requirements	-----

# Significant Accomplishments

## **Submit a revised RI/FS Work Plan for the 200-IS-1 and 200-ST-1 OUs to Ecology**

- Completed the Draft B Rev 1 RI/FS Work Plan (M-13-27).

## **200-BP-5**

- Completed electrical resistivity characterization field work in the B/BX/BY WMA.

## **200-SW-1 and 200-SW-2**

- Phase I Organic Vapor Sampling Report in final peer review and clearance.

# Significant Accomplishments

## 200-BC-1

- EPA provided comments on Electrical Resistivity Correlation DQO and SAP, Draft A.
- SAP for Phase 1 of Excavation-based Treatability Test conditionally approved by EPA.

## 100-NR-2

- Completed injection of apatite barrier in the Hanford formation (July 13).

# Significant Accomplishments

## M-15-00 and M-15-00C

### 200-ZP-1

- Completed design work for connecting two T Farm wells to 200 Area Effluent Treatment Facility.
- Contract has been awarded for drilling 3 new ZP-1 groundwater monitoring wells.
- Internal review of CERCLA FS and PP has been completed.

### 200-UP-1

- Restarted pump and treat on 4/19/2007.

### 200-PW-1/3/6

- Added three new wells to the vapor extraction system.

# Significant Accomplishments

## M-15-44B

- Began drilling of high-risk borehole in the 216-A-2 Crib on June 4, 2007. Borehole depth was 49.0 ft bgs as of July 17, 2007.

## M-16-00

- Approved WCP and SAP for 241-U-361 Settling Tank.
- Completed excavation of 200-CW-3 waste sites 5 and 7.
- Completed multi-incremental verification sampling for waste sites 5 and 7.
- Received verification sampling analysis for waste site 5.
- Completed installation of 300 ft sequestration barrier at 100-NR-2 for the Ringold Formation.

## M-24-00

- Completed 15 of 15 CY 2007 wells.

# Significant Accomplishments

## Other Items of Interest

### Well Decommissioning

- Decommissioned 90 wells.

### 200-W-42

- Completed U-Plant time critical removal action for 200-W-42 pipeline.

# RL-30 Groundwater/Vadose Zone FYTD Cost/Schedule Status (\$ in thousands)

Workscope	BCWS	BCWP	ACWP	SV	CV	BAC
4.1.7.1 - Groundwater/Vadose Zone Integration	7,261.5	6,312.7	5,315.7	(948.8)	997.0	9,919.6
4.1.7.2 - Recharge Control	125.4	16.1	69.5	(109.3)	(53.4)	125.4
4.1.7.3 - Well Management	4,140.9	4,186.9	4,913.5	46.0	(726.6)	7,087.5
4.1.7.4 - Project Management	4,410.1	4,410.1	3,380.7	0.0	1,029.4	5,982.8
4.1.7.5 - Integrated Field Work	4,598.4	4,343.0	4,554.6	(255.4)	(211.6)	6,541.2
4.1.7.6 - Groundwater Monitoring and Performance Assessments	8,575.0	8,025.9	9,058.6	(549.1)	(1,032.7)	11,379.4
4.1.7.10 - 100 BC-5 Operable Unit	122.0	93.0	37.3	(29.0)	55.7	174.1
4.1.7.11 - 100 KR-4 Operable Unit	4,056.6	4,657.1	5,717.3	600.5	(1,060.2)	6,434.2
4.1.7.12 - 100 NR-2 Operable Unit	2,164.3	2,148.0	2,295.9	(16.3)	(147.9)	3,288.7
4.1.7.13 - 100 HR-3 Operable Unit	3,758.2	3,440.3	2,515.1	(317.9)	925.2	5,599.2
4.1.7.14 - 100 FR-3 Operable Unit	103.0	101.2	38.0	(1.8)	63.2	139.8
4.1.7.20 - 200 BP-5 Operable Unit	1,555.0	1,561.8	1,650.5	6.8	(88.7)	2,311.4
4.1.7.21 - 200 PO-1 Operable unit	607.9	464.9	460.1	(143.0)	4.8	939.8
4.1.7.22 - 200 UP-1 Operable Unit	537.7	456.1	382.5	(81.6)	73.6	872.4
4.1.7.23 - 200 ZP-1 Operable Unit	3,847.3	4,207.1	3,322.0	359.8	885.1	5,935.8
4.1.7.24 - 200 ZP-2 Operable Unit	464.7	582.8	522.8	118.1	60.0	738.3
4.1.7.30 - 300 FF-5 Operable Unit	1,874.9	1,435.5	1,342.7	(439.4)	92.8	2,606.9
<b>TOTAL - PBS RL-0030</b>	<b>48,202.9</b>	<b>46,442.5</b>	<b>45,576.8</b>	<b>(1,760.4)</b>	<b>865.7</b>	<b>70,076.5</b>

# RL-40 Waste Site Remediation Project

## FYTD Cost/Schedule Status

(\$ in thousands)

4.1.2.8.4 - 200-BC-1 BC Cribs, Trenches, and Control Area Remediation	592.4	476.0	570.3	(116.4)	(94.3)	1,203.5
4.1.2.8.5 - 200-CW-1 Gable Mountain/B Pond CWG	330.2	246.0	85.1	(84.2)	160.9	2,472.5
4.1.2.8.6 - 200-CS-1 Chemical Sewer Group	78.0	215.6	509.6	137.6	(294.0)	283.2
4.1.2.8.7 - 200-CW-5 Ponds/Z Ditches CWG	304.9	183.0	196.1	(121.9)	(13.1)	486.6
4.1.2.8.8 - 200-TW-1/PW-5 Scavenged Waste Group	53.6	22.9	23.0	(30.7)	(0.1)	69.2
4.1.2.8.9 - 200-PW-2/4 Uranium Rich Process	63.8	45.9	45.8	(17.9)	0.1	223.0
4.1.2.8.10 - 200-PW-1/3/6 Plutonium Rich Process	1,128.4	1,314.5	1,306.7	186.1	7.8	1,371.4
4.1.2.8.11 - 200-LW-1/2 200A Chemical Lab Waste Group	47.2	40.2	78.3	(7.0)	(38.1)	96.6
4.1.2.8.12 - 200-MW-1 Miscellaneous Waste Group	3,094.5	2,553.5	1,693.4	(541.0)	860.1	4,189.1
4.1.2.8.13 - 200-UR-1 Unplanned Releases Waste Group	678.7	879.7	1,046.9	201.0	(167.2)	1,086.6
4.1.2.8.14 - 200-SW-1/2 Non-radiological and Radiological Landfills	891.7	631.1	569.2	(260.6)	61.9	1,038.2
4.1.2.8.15 - 200-IS-1 Tanks, Boxes, Pits, and Lines Group	705.1	649.7	677.7	(55.4)	(28.0)	839.6
4.1.2.8.16 - 200-BP-1 Hanford Prototype Barrier	65.0	63.6	69.5	(1.4)	(5.9)	112.0
4.1.2.8.17 - Burial Ground Sampling and Analysis	89.5	53.4	40.0	(36.1)	13.4	220.2
4.1.2.8.20 - M-15 Replanning	0.0	0.0	0.0	0.0	0.0	0.0
4.1.2.8.21 - 200-TW-2 Scavenged Waste Group	12.5	5.3	0.0	(7.2)	5.3	31.1
4.1.2.8.22 - 200-MG-1/2 Model Group 1 Sites (Ecology & EPA)	199.0	52.4	10.5	(146.6)	41.9	667.1
4.1.2.8.24 - 200-SC-1 Steam Condensate	54.6	25.2	1.8	(29.4)	23.4	225.5
<b>TOTAL - PBS RL-0040 WS</b>	<b>12,758.2</b>	<b>11,735.3</b>	<b>11,006.9</b>	<b>(1,022.9)</b>	<b>728.4</b>	<b>20,283.3</b>

# RL-30 Performance Variances

Subproject	FYTD Variance	Causal Factors
<b>Significant Schedule Variances</b>		
4.1.7.1 - Groundwater/Vadose Zone Integration	(948.9)	Impact of competing priorities; delayed technical review panel
4.1.7.6 - Groundwater Monitoring and Performance Assessment	(549.1)	Delays in library move and delays in Modutanks annual sampling
4.1.7.11 - 100-KR-4 Operable Unit	600.5	FY-07 completion of FY-06 scope for the KR-4 pump and treat expansion
4.1.7.13 - 100-HR-3 Operable Unit	(318.0)	Procurements for resin and chemicals are behind schedule
4.1.7.23 - 200-ZP-1 Operable Unit	359.8	Schedule recovery from FY-06 workscope
4.1.7.30 - 300-FF-5 Operable Unit	(439.5)	Delays in workshop and delays in the LFI Report and the Risk Assessment Report
<b>Significant Cost Variances</b>		
4.1.7.1 - Groundwater/Vadose Zone Integration	997.0	Subcontract costs are not being realized; staff wage rate is lower than anticipated; and mapping services costs have been less than planned
4.1.7.3 - Well Management	(726.7)	Cost increases due to problems with well drilling at 200-ZP-1
4.1.7.4 - Project Management	1,029.4	Favorable passback (variance distribution collection account)
4.1.7.6 - Groundwater Monitoring and Performance Assessment	1,032.7	Higher than planned work load for geo-sciences and logging; analysis inefficiencies; field labor and material costs are higher than planned; higher than planned sampling loads
4.1.7.11 - 100-KR-4 Operable Unit	1,060.3	Increased construction costs for KW and increased cost for injection well tie-in; and increased cost for KW remediation
4.1.7.12 - 100-NR-2 Operable Unit	(147.9)	Subcontract costs higher than expected due to second pilot test and expedited analysis of injections to facilitate decisions for the formulation of the next series of injections
4.1.7.13 - 100-HR-3 Operable Unit	925.1	Labor efficiencies
4.1.7.23 - 200-ZP-1 Operable Unit	885.0	Management of subcontracts tied to the FS/PP and the RI Report

# RL-40 WS Performance Variances

Subproject	FYTD Variance	Causal Factors
<b><i>Significant Schedule Variances</i></b>		
4.1.2.8.12 - 200-MW-1 Miscellaneous Waste Group	(541.0)	BCR to transfer A-4 borehole decommissioning to 200-PO-1 not yet processed
4.1.2.8.13 - 200-UR-1 Unplanned Releases Waste Group	201.0	Good progress on down posting activities at the BCCA Control Area; passive vapor sampling fieldwork is delayed
4.1.2.8.14 - 200-SW-1/2 Non-radiological and Radiological Landfills	(260.6)	DQO delays and technical issues tied to Phase II technical survey treatability information
<b><i>Significant Cost Variances</i></b>		
4.1.2.8.12 - 200-MW-1 Miscellaneous Waste Group	860.0	Low-risk safety categorization resulted in lower than planned costs for the E-102 push and the A-4 borehole

# **Planned Activities**

**Next 6 Months**

## **221-U Facility/Canyon Disposition Initiative**

- Issue revised Remedial Design/Remedial Action Work Plan.

## **Other Facility D&D**

- Conclude PUREX Canyon DQO process and issue DQO Summary Report.
- Enter facility disposition negotiations pursuant to TPA agreement-in-principle on Central Plateau facility disposition, including 221-U Facility.

## **200-CW-3**

- Complete remediation of 216-N-5 & 7 waste sites.

# Planned Activities

## Next 6 Months

### **100-HR-3**

- Evaluate types of zero-valent iron for use in ISRM barrier.
- Finalize FY 2007 well locations for the "Horn" and begin drilling.

### **100-KR-4**

- Continue the design work on 100-KR-4 pump and treat expansion.

### **100-NR-2**

- Monitor barrier chemistry.

### **100-BC-5**

- Integrate with WCH on completing 2 wells within a waste site.

### **300-FF-5**

- Provide an update of 300-FF-5 OU activities to stakeholders and interested parties in August.

### **200-BP-5**

- Complete drilling B, G, and O wells.

### **200-CW-1**

- Perform supplementary investigation activities.

### **200-CW-5**

- Perform Z Ditch Study.

# Planned Activities

## Next 6 Months

### **200-IS-1**

- Work with Ecology to obtain approval of the 200-IS-1 Work Plan.

### **200-PO-1**

- Issue RI/FS Work Plan Draft A.

### **200-UP-1**

- Complete installation of final 6 wells in support of the RI/FS process.

### **BC Crib and Trenches**

- Initiate drilling/sampling to establish correlations between Electrical Resistivity characterization data and soil contaminant concentrations.
- Perform DPT campaign (Phase I of excavation-based treatability test) at 216-B-26 Trench.

# Planned Activities

## Next 6 Months

### **200-UW-1**

- Issue Interim/Final Record of Decision.
  - Establish RTD RAG Values.
- Sample sludge in 241-U-361 Settling Tank.
- Disposition TPA Change Requests for 216-U-12 and 216-U-15.

### **200-ZP-1**

- Complete treatability testing for Tc-99 removal.
- Complete drilling and sampling of 3 new groundwater monitoring wells.
- Begin operation of pump and treat of T Farm wells to 200 Area Effluent Treatment Facility.
- Issue Draft A FS and PP to EPA.
- Begin design work for hooking up new groundwater extraction wells.

### **200-PW-1,-PW-3, -PW-6**

- Submit the revised RI report for EPA approval.
- Submit Draft A Feasibility Study and Draft A Proposed Plan for regulator review.

# Issues

## **200-SW-1 and 200-SW-2 Operable Units**

- Received significant comments (informal) on SAP from Ecology on June 21. Needed approval by June 29 to remain on schedule.

# **Hanford K Basins Closure Project**

## ***Tri-Party Agreement M-34 Milestone Review***



**U.S. Department of Energy**  
**Richland Operations Office (RL)**  
**Third Quarter FY 2007**

**July 19, 2007**



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# **TPA Milestone Status**

## **Remaining Milestones Due Fiscal Year 2006-2009**

<b>Number</b>	<b>Milestone Title</b>	<b>Due Date</b>	<b>Status/Comments</b>
M-34-34	Complete removal of K East Sludge.	05/2007	Completed 05/31/2007
M-34-35	Containerize K West Sludge a. All K West bulk sludge is placed in containers. b. Complete final pass clean up.	a. 07/2007 b. 01/2008	• Completed 07/03/2007 • In progress.
M-34-30	Initiate Sludge Treatment This interim milestone will be complete following treatment and packaging of the first unit of sludge into a form that is certifiable for disposal offsite.	12/2008	At risk. DOE has provided direction that is designed to reduce project technical and schedule risk.
M-34-32	Complete Removal of the K East Basin Structure This interim milestone will be complete when spent nuclear fuel, sludge, debris and water are removed from the K East Basin and the upper building and concrete basin are removed.	03/31/2007	Currently in dispute. The parties are working toward a K-Area baseline as part of the dispute.
M-34-31	Complete Sludge Treatment This interim milestone will be complete following treatment and package of all sludge for disposal offsite.	11/2009	At risk. Requires completion of M-34-30.
M-34-00A	Complete removal of the K Basins and their contents. Note: This milestone will be complete when both K East and K West Basins, spent nuclear fuel, sludge, debris, and water are removed.	03/31/2009	At risk. Requires completion of M-34-31 that will involve removal of sludge from K West Basin for treatment. Per baseline, M-34-31 will not be completed in time frame that supports this milestone.



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# ***Significant Accomplishments and Status***

## **Project-Wide**

- RL has issued a request for proposal for Central Plateau remediation that includes K Basin Sludge Treatment, K East Basin substructure demolition, and K West Basin superstructure and substructure demolition.

## **K East Basin**

- Completed removal of K East Basin sludge by hose in hose (HIH) transfer to K West Basin.
- Conducted a value engineering workshop to identify and weigh alternative approaches in performing facility demolition that drive the deactivation approach.

## **K West Basin**

- Completed bulk sludge containerization.
- Initiated deactivation of the HIH system.

## **Sludge Treatment**

- Provided direction to Fluor Hanford to reduce postulated accident consequences, decrease number of safety class systems, and potentially mitigate undesirable post-treatment sludge properties.
- Received revised planning documentation from Fluor Hanford for review addressing RL direction to reduce technical and schedule risk.



# ***Upcoming Activities (Next Three Months)***

## **Project-Wide**

- Manage/mitigate current and emerging risks.
- Working on K Area baseline as part of M-34-32 dispute

## **K East Basin**

- Remove debris in K East Basin.
- Ship waste debris to ERDF for disposal.
- Prepare Remedial Design Report/Remedial Action Work Plan for K East Basin deactivation.

## **K West Basin**

- Work with Washington Closure Hanford (WCH) to receive fuel fragments of questionable enrichment from remedial action operations associated with burial grounds.
- Remove debris in K West Basin.
- Ship waste debris to ERDF for disposal.
- Continue final pass cleanup of sludge.



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# ***Upcoming Activities (Next Three Months)***

## **Sludge Treatment**

- Receive from Fluor Hanford planned changes associated with corrosion process chemistry follow on testing.
- Initiate expanded corrosion process chemistry testing.
- Initiate additional testing and other actions to reduce the project risks in response to recommendations resulting from two recent FHI assessments.
- Continue efforts on independent assessment of the ability of CVDF structure to support sludge treatment processing.
- Complete an assessment of the CVDF integrated with the sludge treatment process pursuant to RL's implementation plan to DNFSB Recommendation 2004-2 on active confinement ventilation systems.
- Initiate settler tube inspection activities.
- Initiate settler tube cleanout tool design.
- Initiate knockout pot and strainer inspection activities.



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# **KBC Project Risk Status**

Risks are those factors associated with the Project, both existing and emerging, that can result in cost and schedule impacts. The process by which risks are identified and managed is described in the "KBC Project Risk Management Plan," KBC-28211.

<b>Sub-project</b>	<b>Major Remaining Risks with "Possible" or "Likely" Likelihood of Occurrence</b>	<b>Emerging Risks</b>	<b>Risk Mitigation</b>
<b>K East Basin</b>		<ol style="list-style-type: none"> <li>1. Magnitude of radiation levels in proximity to K East Basin during and after dewatering.</li> </ol>	<ol style="list-style-type: none"> <li>1. Perform dose assessment with current data.</li> <li>2. Deploy cost effective dose abatement controls.</li> </ol>
<b>K West</b>	<ol style="list-style-type: none"> <li>1. Water clarity decreases productivity of sludge containerization at K West Basin</li> <li>2. Vacuuming around/under fixed equipment takes longer than planned.</li> <li>3. Sludge overflows from containers to K West Basin floor during containerization</li> <li>4. Future fuel and sludge handling will have potential to deposit additional sludge on K West Basin floor.</li> <li>5. Lack of defined completion criteria for K West final pass sludge containerization.</li> </ol>	<ol style="list-style-type: none"> <li>1. Need to process "found spent nuclear fuel" with a water treatment system with limited remaining life.</li> </ol>	<ol style="list-style-type: none"> <li>1. Maintain sludge pumping and containerization capability</li> <li>2. Place visual comparator plates on basin floor to measure redeposition.</li> <li>3. Propose final pass completion criteria for EPA approval.</li> </ol>



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# ***KBC Project Risk Status***

Risks are those factors associated with the Project, both existing and emerging, that can result in cost and schedule impacts. The process by which risks are identified and managed is described in the "KBC Project Risk Management Plan," KBC-28211.

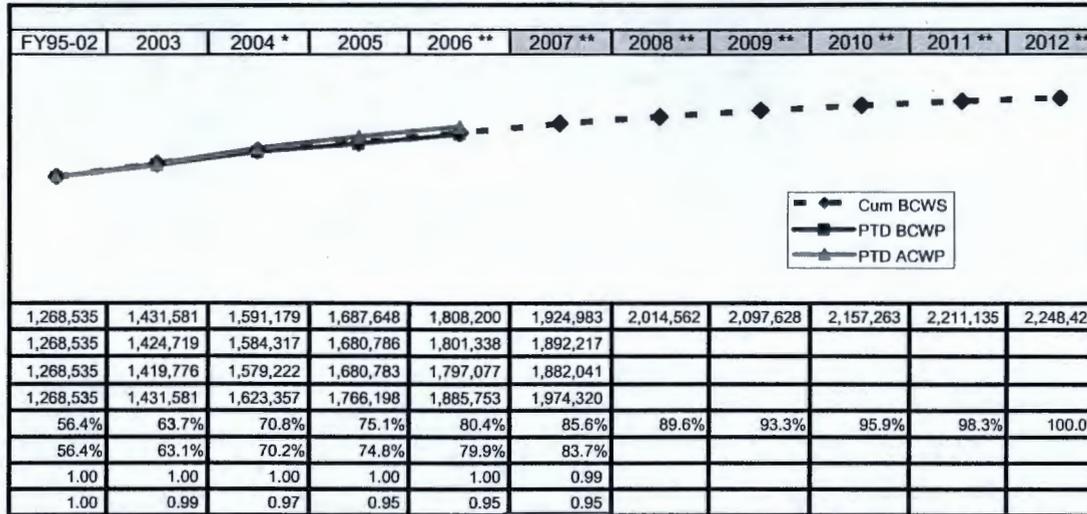
<b>Sub-project</b>	<b>Major Remaining Risks with "Possible" or "Likely" Likelihood of Occurrence</b>	<b>Emerging Risks</b>	<b>Risk Mitigation</b>
<b>Sludge Treatment</b>	<ol style="list-style-type: none"> <li>1. Unexpected process phenomena (chemical and physical reactions/ characteristics are different than expected).</li> <li>2. Inadequate/insufficient tools impact productivity (i.e., not able to retrieve sludge from knockout pots or settlers).</li> <li>3. Transfers from K West to the Cold Vacuum Drying Facility do not achieve percent solids desired; more transfers and/or more corrosion batches would result.</li> </ol>	<ol style="list-style-type: none"> <li>1. Sludge treatment process would not operate as designed.</li> <li>2. Sludge treatment process would not operate reliably to meet schedule requirements.</li> <li>3. Adequacy of CVDF structural and HVAC capability to support sludge treatment.</li> <li>4. Withdrawal of vendor's bid on positive displacement pump for use in transferring sludge from CVDF to K West Basin.</li> </ol>	<ol style="list-style-type: none"> <li>1. Implementation of Critical Decision Process in accordance with DOE O 413.3A to provide higher confidence in system reliability.</li> <li>2. Perform additional laboratory tests with actual sludge samples at PNNL to evaluate and verify process chemistry of sludge for conditions that mimic the process conditions.</li> <li>3. Perform additional testing and other actions to reduce project risks.</li> <li>4. Resolve issues with vendor or initiate a backup plan.</li> </ol>



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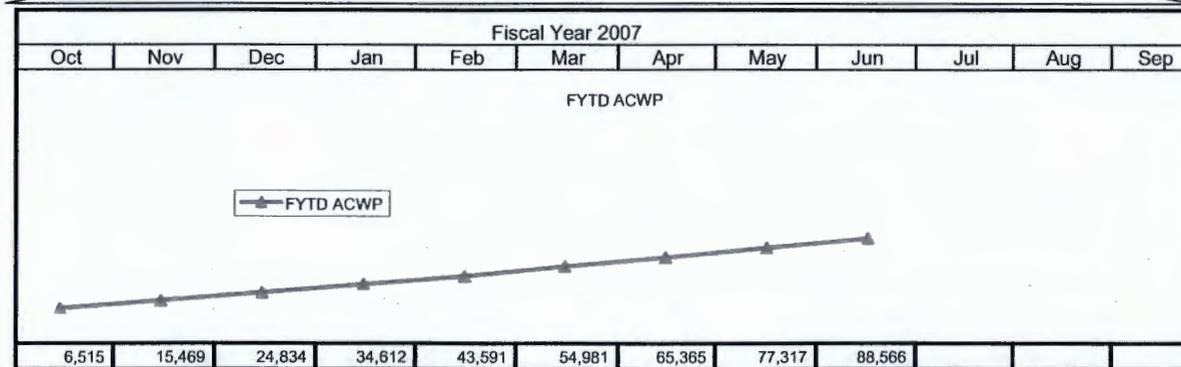
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# KBC Project – Total Project Baseline



Life Cycle	
*BAC=	2,248,428
EAC=	2,324,093
BCWS=	1,892,217
BCWP=	1,882,041
ACWP=	1,974,320
SV=	(10,176)
CV=	(92,279)

Cum BCWS  
PTD BCWS  
PTD BCWP  
PTD ACWP  
% Sch  
% Cmpl  
SPI  
CPI



FYTD ACWP

\* PHMC Rebaseline Sludge Retrieval & Disposition Project and Decontamination & Decommission Project  
\*\* FH KBC EIR Validated Baseline



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***KBC Stabilization and Disposition  
Project Performance through Third Quarter FY 2007***  
(\$ in thousands)

<b>PBS RL-0012</b>	<b><u>FYTD</u> ACWP</b>
Safe and Compliant	\$ 12,024.0
Sludge Retrieval and Disposition	\$ 44,410.7
Sludge Treatment Project	\$ 17,222.8
D&D Deactivation	\$ 2,587.9
Closure Services	\$ 4,779.1
<b>TOTAL</b>	<b>81,024.5</b>



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# PFP Closure Project TPA Milestone M-083



***Completed 241-Z Demolition Activities***

**July 2007  
Tri-Party Agreement Milestone  
Status Report**

***216-Z-9 Crib Inspection  
- Robot photographing clamshell***



**Ecology Project Manager - R. Bond  
DOE-RL Project Director –E. Mattlin  
FH Project Manager – D. B. Klos  
FH Environmental – A. M. Hopkins**

## M-83 Status for Interim Milestones (as of 3/31/07)

TPA No.	TPA Commitment Date	Milestone Title	Status
M-083-22	9/30/08	SUBMIT EE/CA FOR APPROVAL	Final Submittal Completed (sub-grade structures)
M-083-41	9/30/10	COMPLETE TRANSITION AND DISMANTLEMENT OF THE 216-Z-9 CRIB COMPLEX	On Schedule
M-083-32	9/30/11	COMPLETE CLOSURE OF THE PFP 241-Z TSD UNIT	<b>Complete</b>
M-083-42	9/30/11	COMPLETE TRANSITION AND DISMANTLEMENT OF THE 241-Z WASTE TREATMENT FACILITY	<b>Complete 6/8/07 – Sent completion letter to Ecology</b>

# Accomplishments

- **Completed 241-Z demolition activities June 8, 2007**
  - 4 years ahead of TPA date
- **Continued equipment cleanout of 234-5Z gloveboxes**
- **Deployed a fixed camera and crawler into the 216-Z-9 crib to inspect the slab and equipment**
  - Initial inspection data has been obtained and a structural evaluation has been initiated
- **Established capability to leak test and perform annual maintenance for 9975 shipping containers**
- **Completed unpackaging of 93 9975 shipping containers**

## **Planned Activities**

- **Continue equipment cleanout of 234-5Z gloveboxes**
- **Package 100 3013s into 9975 shipping containers**
- **Drain Pulser Glovebox liquids**
- **Complete 216-Z-9 facility condition analysis**
- **Initiate 216-Z-9 Project Execution Plan**
- **Draft 216-Z-9 RAWP**
- **Complete 242-Z airlock lay up scope**

# Schedule / Cost Performance

## Fiscal Year to Date Status (through June)

RL-0011 - Nuclear Material Stabilization & Disposal (PFP)	Fiscal Year to Date				
	BCWS	BCWP	ACWP	SV\$	CV\$
	68,314.9	80,897.4	67,642.9	12,582.5	13,254.5

## Emerging Items

- **Maintaining Safe and Compliant PFP**
  - Fire System Deficiencies
  - Ventilation System Maintenance
  - VSS HVAC Recovery Items
  - Special Projects (Spray Pan Refurbishments)

## **Schedule / Cost Performance Fiscal Year to Date Status (Continued)**

**FYTD Schedule Variance: \$12.6M:**

- **Favorable schedule variance is attributed to accelerated progress on 234-5Z glovebox cleanout.**

**FYTD Cost Variance: \$13.3M:**

- **Favorable cost variance is associated with efficiencies in glovebox planning and cleanout and a more efficient approach to 241-Z cell stabilization activities. Positive variance is partially offset by increased maintenance activities, supply fan spray pan refurbishment, and HVAC recovery actions.**

# Issues

## Regulatory Issues:

- None

## Non-Regulatory Issues:

- Growing number of maintenance needs and facility and system degradation



## M-20 Milestone Review Permits and Closure Plans

Presented by:  
Tony McKarns  
U.S. Department of Energy

July 19, 2007

### Closure Plan Milestone Status

**M-20** **12/31/08**

Complete when M-20-54 is completed 12/31/08.

**M-20-00B** **12/31/08**

Complete when M-20-54 is completed 12/31/08.

**M-20-54** **12/31/08**

Submit 241-CX-70 Storage Tank, 241-CX-71 Neutralization Tank, 241-CX-72 Storage Tank, 241-CX Storage Tank Closure/Postclosure Plan to Ecology in coordination with the 200-IS-1 Tanks/Lines/Pits/ Boxes Operable Unit Work Plan Feasibility Study scheduled under M-13-00M.

Current Milestone Status:

On schedule.



### Hanford Facility RCRA Permit Status

- The Hanford Facility RCRA Permit expired on 9/27/04. Ecology provided Pre-Draft Permit Conditions (Parts I & II), Rev. 9, dated 5/31/07 to the Permittees for review and comment.
- The Permittees continue to operate under RCRA Permit Revision 8B, until a new Permit is in effect.



### Accomplishments – last 3 months

- Ecology approved the clean closure certification for the 305-B Storage Facility.
- Ecology approved DST System & 204-AR Part A Form, Rev. 2 on 6/7/07
- Ecology approved the 400 Area WMU Part A Form, Rev. 1 on 5/16/07
- Ecology issued second temporary authorization for 400 Area WMU



### Accomplishments – last 3 months

- DOE submitted quarterly Class 1 modifications for quarter ending 6/30/07
- DOE submitted revised sections of the DST Rev. 1 Part B application
- DOE submitted certified 400 Area WMU Part B permit application
- DOE submitted CWC and WRAP Permit documentation updates to Ecology.



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### Planned Actions – next 6 months

- Ecology informally respond to permit documentation changes related to groundwater for LERF, 183-H, and 300 APT
- Ecology prepare responsiveness summary and issue Permit Conditions for the Waste Treatment Plant 2+2 Permit modification
- Ecology prepare responsiveness summary and issue Permit Conditions for the IDF Permit modification
- Ecology review/approve Class 1 modifications for quarter ending 6/30/07
- Ecology generate draft RCRA Part B permit for the DST System for DOE/contractor review in September/October 2007 time frame
- Ecology comment on 1706-KE draft Part A Form
- Ecology provide Pre-Draft Unit-Specific Permit Conditions for Permit renewal for Permittee review & comment.



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## Planned Actions – next 6 months

- DOE submit the 305-B Storage Facility Part A Form stamped closed 7/2/07, with next quarter's Class 1 modifications
- DOE submit the 1706-KE Waste Treatment System Closure Plan, Part A Form, and SEPA Checklist
- DOE submit recertified WESF Part B permit application
- DOE submit the quarterly Class 1 modifications for quarter ending 9/30/07
- DOE submit the LLBG Part A Form, Rev. 13, and SEPA Checklist to Ecology
- DOE submit the Mapping & Marking Report to Ecology by 9/30/07
- DOE respond to Ecology letter dated 6/21/07, requesting submittal of 11 certified Part A Forms (207-A, 216-A-10, 216-A-29, 216-A-36B, 216-A-37-1, 216-B-3, 216-B-63, 216-S-10, NRDWL, Hexone Storage & Treatment Facility, 241-CX Tank System).
- DOE provided comments to Ecology on draft Permit (Parts I & II), Revision 9, dated 5/31/07.
- DOE submitted 224-T TRUSAF Closure Plan, Part A Form, and SEPA Checklist.

Tri-Party Agreement M-91 Milestone Series  
Quarterly Presentation

Greg Sinton  
U.S. Department of Energy,  
Richland Operations Office

July 19, 2007

# Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

## Significant Accomplishments of Last Three Months:

- Met the M-91-12 thermal treatment milestone for treatment of 600 cubic meters of waste on June 14, 2007, five months ahead of the milestone date.
- Retrieved 480 m<sup>3</sup> of RSW since the last quarterly report (4/16/07 – 7/17/07), bringing the total to 5,772 m<sup>3</sup>.
- Certified 62 cubic meters of M-91-42 TRU/M (4/13/07- 7/6/07) bringing the total volume certified since 12/31/02 to 2571 cubic meters.

## Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

### Significant Accomplishments of Last Three Months:

- Accelerated repackaging: repackaged over 100 containers in each of the last two months.
- Treated 136 m<sup>3</sup> of M-91-42 MLLW in the April through June period, bringing the total to 5377 cubic meters for M-91-42 MLLW treated as of 6/30/07.

M-91 Status Summary 7/17/07

Milestone	Due Date(s)	Status Summary	Comments
<p><b>General Comments</b></p>			<p>A. Status of Change Package M-91-07-01: Ecology management provided extensive comments on the change package on May 8. The change package was revised and tentative agreement was again reached in a meeting on July 5. The revised change package is currently in EPA, Ecology and DOE management review.</p> <p>B. In this table "On-Schedule" means it is anticipated the milestone will be met.</p>
<p><b>M-91-00:</b> Major Milestone for acquisition of needed facilities/capabilities for mixed and suspect mixed MLLW, and TRUM and suspect TRUM.</p>	<p>TBD</p>	<p>On Schedule</p>	<p>Draft change package M-91-07-01 includes clarifications and changes to definitions in M-91-00.</p>
<p><b>M-91-01:</b> Facility/Capability Interim Milestone (RH and/or large container TRUM)</p>	<p>6/30/12</p>	<p>At Risk  Discussions with Ecology will continue related to the timing of these capabilities</p>	<ul style="list-style-type: none"> <li>• Engineering Study and Functional Design Criteria were delivered to EPA and Ecology 9/29/06 (06-AMCP-0311).</li> <li>• Briefed Ecology and EPA on the FDC/ES submittal on October 11, 2006.</li> <li>• Comments on the FDC/ES were received from Ecology on November 13, 2006, and responses were provided December 13, 2006.</li> <li>• Additional evaluation of alternatives to meet needed capabilities is ongoing and updated information will be</li> </ul>

			<p>included in the August PMP update.</p> <ul style="list-style-type: none"> <li>• Preparing necessary documentation to gain approval for continuation of development of capabilities at T-Plant: The CD-0 package was formally sent to HQ for approval March 26, 2007. HQ approval had not been obtained as of July 17.</li> </ul>
<p><b>M-91-03:</b> Submit TRUM/MLLW PMP</p>	<p>12/31/03 (COMPLETE), 12/28/06 (Submitted) 3/31/09, 3/31/13</p>	<p>On Schedule CP M-91-07-01 will delete the 3/09 and 3/13 submittals. These will be replaced by annual June submittals.</p>	<p>Ecology comments on the PMP were received February 8, 2007. Comment responses with a plan for updating the PMP were provided to Ecology March 12, 2007, in accordance with the schedule in Figure 9.1 of the TPA Action Plan. The plan proposed that the updated PMP addressing comments and revisions based on the change package currently being developed (M-91-07-01) will be submitted 90 days after a Tentative Agreement on change package M-91-07-01 is reached. Ecology responded April 24 indicating the revised PMP should be submitted August 30, 2007. Subsequent revisions are proposed annually in June of each year. The response did not address the M-91-07-01 Change Package tentative agreement which was important in consideration of the proposed timing of the PMP revision since the change package would establish critical information that would guide how the PMP should be updated. In order to meet the August PMP due date preparation of the PMP has continued based on an "assumed agreement" change package similar to the current form of the M-91-07-01 change package that is in management review (7/10/07).</p>
<p><b>M-91-05-T01:</b> Complete RH and or large TRUM retrieval/processing Engineering Study/FDC</p>	<p>12/31/07</p>	<p>Complete</p>	<p>Submitted FDC/ES 9/29/06 (06-AMCP-0311). This met the Target date a year early. Comments on the FDC/ES were received from Ecology on November 13, 2006, and responses were provided December 13, 2006 (AMCP-0060).</p>
<p><b>M-91-12:</b> CH-MLLW Thermal</p>	<p>11/16/07</p>	<p>Complete (7-14-07)</p>	<p>Documentation for completion of treatment of enough thermal treatment waste to meet the 600 cubic meters milestone was</p>

Treatment (600 m <sup>3</sup> cumulative)			received from Permafrix June 14, 2007, approximately five months before the milestone due date. Thermal treatment volumes above the 600 cubic meters are being applied to M-91-42 MLLW treatment requirements.
<b>M-91-12A:</b> CH-MLLW Thermal Treatment (240 m <sup>3</sup> )	9/30/05	Complete Met 8-16-05	Completion letter (05-AMCP-0420) sent to Ecology 9/27/05
<b>M-91-15:</b> RH MLLW and/or Large Size MLLW Treatment	6/30/08	At Risk	<p>“COMPLETE ACQUISITION OF FACILITIES AND/OR CAPABILITIES AND INITIATE TREATMENT OF RH-MLLW AND CH MLLW IN BOXES AND LARGE CONTAINERS”</p> <ul style="list-style-type: none"> <li>Approval of the M-91-07-01 change package will resolve the current identified risk to meeting this milestone.</li> </ul>
<b>M-91-40:</b> Retrieval and designation of CH-RSW (regardless of size)	7200 m <sup>3</sup> cumulative by 12/31/07 and annual retrieval volumes through 2010. Complete retrieval in T-4 by 12/31/06. Plus various other requirements	On Schedule  Met 4700 level in November 2006	<ul style="list-style-type: none"> <li>Completed retrieval of 4C Trench 4 waste 11/21/06</li> <li>Completed retrieval of 4700 cubic meters 1 month early (11/30/06)</li> <li>The January – March SAP quarterly report was sent to Ecology May 24 (no sampling results were received in that quarter and none occurred in the April-June quarter).</li> <li>“Step II” sampling (soil sampling in the bottom of and beneath the trenches) is scheduled to start in burial ground W-4C this Fall.</li> <li>5772 m<sup>3</sup> of RSW retrieved as of 7/17/07. Some slip in schedule due to the CSER issue, but other non-impacted retrieval work was accomplished so the schedule slip is anticipated to be made up in time to meet the milestone.</li> </ul>
<b>M-91-41:</b> Retrieval and Designation of RH RSW (regardless of size)	See comment column	On Schedule (Planning)	<ul style="list-style-type: none"> <li>1/1/11: Initiate retrieval of RH RSW</li> <li>12/31/14: Complete non-caisson RH RSW retrieval</li> <li>12/31/18: Complete 4B RH RSW retrieval</li> </ul>

<p><b>M-91-42:</b> Treatment of non-large size CH-MLLW and certification of non-large size CH TRUM</p>	<p>Annual treatment requirements through 12/31/09 (MLLW), 12/31/11 (TRUM)</p>	<p>On schedule For MLLW treatment though this could be impacted if funding above the FY08 President's Budget level is not appropriated,</p> <p>Behind schedule for CH TRUM certification</p>	<ul style="list-style-type: none"> <li>• Met the MLLW 12/31/06 milestone (4890 cubic meters) 4 months early (Aug 29, 2006). Completion letter sent to Ecology October 27.</li> <li>• 5377 m<sup>3</sup> of the MLLW subject to this milestone (MLLW-2 through MLLW-10 excluding MLLW-7) has been dispositioned as of 6/30/07 (6520 m<sup>3</sup> required by 12/31/07). Expect to have all waste needed to meet the 12/31/07 milestone shipped before the end of October unless impacted by the June 14 NOV to PEcoS (PFNW) which could result in loss of ability for that facility to receive "off-site" CERCLA waste.</li> <li>• Shipped 2279 cubic meters of M-91-42 TRU/M and had accumulated a backlog of 292 cubic meters of certified but not shipped TRU/M bringing the total certified TRU/M counting toward M-91-42 to 2571 as of 6/7/07.</li> <li>• A briefing w/Ecology on TRU certification rate improvements was held March 29, 2007 and a brief update was provided July 5.</li> </ul>
<p><b>M-91-43:</b> Designation and treatment of RH and or Large Size MLLW</p>	<p>See Comment Column</p>	<p>At Risk</p>	<ul style="list-style-type: none"> <li>• Treated 193 m<sup>3</sup> of MLLW-07 since 12/31/02.</li> <li>• Modifications and clarifications to M-91-43 being proposed in M-91 change package. Approval of the change package should resolve the current identified risk to meeting this milestone.</li> <li>• Pursuing PFNW capability to process containers larger than 10 cubic meters. Currently planning shipment of a large container to test/demonstrate the capability.</li> </ul>
<p><b>M-91-44:</b> Designation of Newly Generated and Stored RH and or Large Size Transuranic Waste and</p>	<p>See Comment Column</p>	<p>At Risk</p>	<ul style="list-style-type: none"> <li>• Existing requirements include: a) Designate all RH and large size Transuranic waste in storage by 12/31/12. b)Begin treating RH and/or large container TRUM at a minimum rate of 300 cubic meters per year by 6/30/2012</li> </ul>

Large/RH TRUM certification			
<b>M-91-45:</b> RH and or Large Size Waste Annual Report	9/30/04 and annually thereafter	On Schedule	<ul style="list-style-type: none"> <li>• 2006 report was delivered to Ecology 9/29/06 (06-AMCP-0314).</li> </ul>
<b>M-16-93:</b> Submit implementation workplan for acquisition of capabilities necessary to prepare TRU/M waste generated by CERCLA clean-up actions at Hanford for disposal at WIPP.	9/30/2006	Complete	<ul style="list-style-type: none"> <li>• Report Delivered to EPA and Ecology 9/29/06 (06-AMCP-312)</li> <li>• Briefing to EPA and Ecology on workplan October 11, 2006</li> </ul>

Fn: M-91 PMM Status table 7-17-07

# Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

<b>RL-13</b>							
<b>FISCAL YEAR 2007 PERFORMANCE MEASUREMENT - JUNE</b>							
<b>Dollars in Thousands</b>							
<b>TITLE</b>	<b>Fiscal Year-To-Date</b>						<b>Budget at Completion (BAC)</b>
	<b>Budgeted Cost</b>		<b>Actual Cost</b>	<b>Variance</b>			
	<b>Work Scheduled</b>	<b>Work Performed</b>	<b>Work Performed</b>	<b>Schedule</b>	<b>Cost</b>		
Central Waste Complex (CWC)	5,815.1	5,850.5	6,471.5		35.4	(621.0)	7,911.7
Waste Receiving and Processing Facility (WRAP)	9,179.8	8,974.1	8,628.6		(205.7)	345.5	12,474.1
Solid Waste Treatment Facility	14,117.0	12,145.3	12,830.1		(1,971.7)	(684.8)	21,039.3
MLLW Treatment	8,912.5	9,867.4	10,290.0		954.9	(422.6)	13,670.3
TRU Retrieval	23,597.1	17,677.7	21,702.4		(5,919.4)	(4,024.7)	32,505.7
WIPP Certification	14,835.5	11,215.6	15,383.8		(3,619.9)	(4,168.2)	21,853.9
WSC Project Management	14,219.6	14,354.7	11,804.4		135.1	2,550.3	19,091.1
<b>RL 13 Grand Total</b>	<b>130,247.1</b>	<b>117,732.6</b>	<b>122,772.8</b>		<b>(12,514.5)</b>	<b>(5,040.2)</b>	<b>182,992.8</b>

## Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

### RL-13 Variance Description:

- **FYTD Schedule Variance:** TRU retrieval and WIPP production behind schedule primarily due to hold on high fissile movements. These CSER issues have largely been resolved. It is expected that production will be caught up by FY end with overtime.
- **FYTD Cost Variance:** TRU retrieval and WIPP production incurred costs while awaiting resolution of the hold placed on high fissile container movements. This variance is anticipated to be recovered by the end of the year.

## Tri-Party Agreement M-91 Milestone Series Quarterly Presentation

### Actions Planned for Next Six Months

- Continue certification and shipment of transuranic waste to WIPP (two shipments per week) and treatment of MLLW.
- Continue implementation of actions to improve certification rates adding a second shift at T-Plant in August.
- Obtain approval of the M-91 Change Package M-91-07-01.
- Continue retrieval and start retrieval of W-4B Trench V7 drums.
- Submit SAP quarterly reports and start “Step II” sampling in W-4C
- Complete update of M-91 PMP including addressing Ecology comments. Submit revision to Ecology by August 30.

**Land Disposal Restrictions Report  
(Tri-Party Agreement Milestone M-26-01)  
Quarterly Presentation  
July 19, 2007**



**Deborah Singleton, Ecology Lead  
Greg Sinton, RL Project Lead  
Cathy Louie, ORP Project Lead**



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**Land Disposal Restrictions Report  
(Tri-Party Agreement Milestone M-26-01)  
July 19, 2007**

- Tri-Party Agreement milestone M-26-01 requires annual submittal of the Hanford Site Land Disposal Restrictions (LDR) Report
- TPA change request M-26-06-01 approved December 14, 2006 established summary reports as the deliverable with the full LDR report submitted every 5 years.



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**Land Disposal Restrictions Report  
(Tri-Party Agreement Milestone M-26-01)  
July 19, 2007**

Monthly Project Manager Meetings (PMMs) continue to be an effective tool for dialogue and as a venue to resolve emerging issues

- Emerging issues or concerns are addressed during the PMMs as “Hot Topics”
- No current issues to raise to management



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**Land Disposal Restrictions Report  
(Tri-Party Agreement Milestone M-26-01)  
July 19, 2007**

Actions Planned for Next Six Months

- Continue the monthly PMMs
- Continue working on storage assessments of Potential Mixed Waste
- Transmit DOE Responses to Ecology comments on the CY2006 LDR Summary Report to Ecology and EPA by July 26, 2007
- Ecology to approve CY2006 LDR Summary Report

# Tri-Party Agreement Major Milestone Management Review

July 19, 2007

<u>Name</u>	<u>Organization</u>	<u>Mail Stop</u>	<u>Phone</u>
Sonya Moore	FH TPA	H8-40	372-3320
Kathy Knox	Envy Court Reporting	946-5535	
Terry Noland	Fluor TPA	H8-12	376-6574
Nick Ceto	EPA		
Dennis Fulk	EPA		
Shawny Simon	ODOE		(SAI) 905-0853
Beth Bitson	FH		373-3337
Jennifer Nuzum	FH	H8-12	373-7185
Matt McCormick	DOE		373-9971
Richard Williams	EC		372-7972
Eileen Mathlin	DOE		
Andrea Hopkins	FH		539-5520
Steve Weil	DOE-21		372-0879
Rick Bond	Ecology		372-7885
Mark French	DOE		373-9863
Ken Bugley	FH		376-7779
Greg Sinks	RL		373-7939
Suzette Thompson	FH		372-0958
Lori Huffman	ORP	H6-60	376-0104
Glen Triner	FH		430-1013
Michelle Mandis	Ecology		2-7970
K. Michael Thompson	DOE-RL-GW		373-0750
Janice Williams	FH		372-3553
Wood Russell	ORP	H6-60	373-5227
Ron Scannaman	Ecology		372-7924





**Thursday, July 19, 2007**  
Ecology Offices, Conference Room 3A  
3100 Port of Benton Way  
Richland, Washington

### **Agenda**

#### **Central Plateau Milestone Review Meeting** **Chairman: Matt McCormick**

9:00 a.m.	M-83-00	PFP Transition
9:20 a.m.	M-26-01	Land Disposal Restrictions Report
	M-91-00	Acquisition of Facilities to TSD TRU/TRUM and LLMW
	M-92-05	Facilities for Cesium/Strontium
9:45 a.m.	M-20-00	Permitting/Closure Plans
10:00 a.m.	M-13-00	Operable Unit Work Plans
	M-15-00	RI/FS Process Completion
	M-16-00	Complete Remedial Actions
	M-24-00	Groundwater Well Installation
10:45 a.m.	M-34-00	K Basins Closure Project
11:15 a.m.	Adjourn Milestone Review	