

Meeting Minutes  
 April 22, 2003  
 Tri-Party Agreement Milestone Review

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

Date: 5/20/03

Approval: *W. Wade Ballard for WB*  
**W. Wade Ballard, Chairperson** (A5-12)  
 RL IAMIT Representative

Date: 5/20/03

Approval: *James E. Rasmussen*  
**Jim E. Rasmussen** (H6-60)  
 ORP IAMIT Representative

Date: 5/20/03

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

Date: 5/20/03  
**RECEIVED**  
 MAY 28 2003

Minutes Prepared by: *Eileen Murphy-Fitch*  
 Approval: *Eileen Murphy-Fitch*  
**Eileen Murphy-Fitch** (A1-14)  
 Fluor Hanford, Inc.

**EDMC**  
 Date: 5/19/03

Aromi, E. S.	CHG	H6-63	Morrison, R. D.	FH	A1-14*
Bartus, D.	EPA	B5018	Murphy-Fitch, E. J.	FH	A1-14*
Bazzell, K. D.	RL	A3-04	Niles, K. S.	ODOE	
Berg, G. M.	FH	L3-02	Piippo, R. E.	FH	A1-14
Bilson, H. E.	RL	A3-04	Price, J.	Ecology	B5-18*
Bond, R.	Ecology	B5-18	Robertson, O.	RL	A3-04
Borghese, J. V.	FH	E3-65	Rodriguez, H. M.	RL/ORP	A5-15
Buxbaum, M.	FH	B3-53*	Romine, L. D.	RL	A6-33
Clark, C. E.	RL	A5-15	Russell, W.	ORP	H6-60
Cusack, L.	Ecology	B5-18*	Ruud, L.	Ecology	B5-18
Dagan, E. B.	RL	A5-15	Sanders, G. H.	RL	A6-38
Foley, B. L.	RL	A6-38	Schepens, R. J.	RL	H6-60
Ford, Bruce H.	FH	E6-35	Skinnarland, E. R.	Ecology	B5-18
Gay, R.	CTUIR		Sobczyk, S.	NezPerce	
Goodenough, J.	DOE	A3-04	Stanley, R.	Ecology	Lacey*
Hedges, J.	Ecology	B5-18	VanLeuven, D. B.	FH	H5-20
Henry, G.	ODOE		Wilde, R.	FH	E6-35
Hertzell, J. S.	FH	A1-14	Williams, J. D.	FH	L5-66
Jamison, F.	Ecology	B5-18	Winterhalder, J. A.	FH	E6-35
Jim, R.	Yakama*		Wilson, M. A.	Ecology	B5-18
Kinsey, L. M.	FH	L0-32	Wright, A. K.	RL	A6-33
LaRue, D. N.	BHI	H0-11	Yerxa, J. K.	RL	A5-15
Mattlin, E. M.	RL	A5-15*	Administrative Record	EDMC	H6-08*
McKeeney, D. E.	FG	H8-44	*w/Attachments File		

**Tri-Party Agreement Milestone Review**  
**April 22, 2003**

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General Notes:

Timeliness of Draft Presentation Materials:

Ecology is obtaining copies of presentations the Friday before the review. The presentations should be balanced and contain all three parties opinions. The parties need to work together to make this happen. Drafts of the Tri-Party Agreement Milestone Review presentations should be submitted to Ecology/EPA at least one week ahead of the Tri-Party Agreement Quarterly Milestone Review meeting.

The presentations should be copied/printed either front and back or two slides to one page.

**Spent Nuclear Fuel, M-034-00**

Presented by: Stacy Charboneau

Start: 9:04 a.m.

End: 9:21 a.m.

A status of fiscal year milestones was given. TPA Milestone M-034-08, *Initiate Full Scale K East Basin Sludge Removal*, is behind schedule and forecast for completion on May 28, 2003. TPA Target Milestone M-034-27-T01, *Complete Removal of 1,252 MTHM of SNF from KW Basin*, is on schedule assuming repairs to KE and KW Basin Fuel Transfer System jackscrew lifting devices are completed by April 28, 2003. Recent contract changes that accelerate cleanup of the K Basins may require changes to five Tri-Party Agreement Milestones and target dates. A proposed Tri-Party Agreement change package will be provided by June 30, 2003.

The timeline for EPA review and approval of the Application for Risk-Based Disposal Approval for PCB at the 200 Area Liquid Waste Processing Facilities is uncertain. It is uncertain if the Project will have to make budgetary allowances to provide for PCB treatment of KE Basin waster as part of the scope and cost for deactivation. Deactivation activities are currently being planned for inclusion in a June 30, 2002, report to RL.

Presentation attached.

**PFP Transition (M-083)**

Presented by: Allison Wright, RL

Start: 9:21 a.m.

End: 9:45 a.m.

Polycube stabilization and repackaging was completed one month early on February 28, 2003. Progress continues to be made for residues, outer can packaging, and, PFP decontamination and decommissioning (D&D). EPA stated their concern on the below-grade structures and that they are not ready to accept the

current strategy. There is no clear distinction on when things move from NEPA to CERCLA or what "below ground" means. These issues need to be discussed and resolved by the parties.

Action: Resolve concerns on NEPA to CERCLA and definitions (i.e., below-ground versus below slab; underground structures, etc.)

Action: Dennis Faulk, EPA; Allison Wright, RL

**Central Plateau (M-013, M-015, M-016, M-020, and M-024)**

Presented by: Bryan Foley

Start: 9:45 a.m.

End: 10:04 a.m.

RL stated that all Central Plateau Tri-Party Agreement milestones will be completed on or ahead of schedule. Ecology stated that three submitted and one soon-to-be submitted primary documents might be considered incomplete.

Ecology and RL disagree about the timing for collecting ecological data to support remedial action decision-making. RL has stated that the soil sampling conducted through the remedial investigation (RI) provides sufficient data to conduct ecological risk assessments in accordance with EPA guidance for ecological risk evaluations, and to support final remedy selection. Ecology asserted that some biological sampling is required as part of the RI, to meet the regulatory requirement to characterize the current and potential threats to the environment. RL is sensitive to the regulators concern about ecological sampling in the Central Plateau and proposes to collect data needs during the confirmatory sampling phase following the ROD issuance. Ecology asserts that RL is required to submit a sampling plan (or plans) for biological sampling for any work plan submitted. RL is finalizing Draft B of the Central Plateau Ecological Assessment Report. The regulators believed, pending formal review, that the report would fulfill EPA requirements for a screening level ecological risk assessment.

RL committed to provide EPA and Ecology with schedules for performing a data quality objectives (DQO) development process to determine additional ecological data needed to support 200 Area soil waste site cleanup on the Central Plateau. Additionally, draft schedules are to be provided for the follow-on activities dependent on the outcome of the DQO and associated with developing a sampling and analysis plan and conducting actual ecological field sampling.

A planning meeting for the DQO will be scheduled in early May 2003 to meet with EPA and Ecology to finalize the DQO schedule and to discuss interested stakeholder and Tribal involvement in more detail.

Regulator comments on a draft Data Quality Objectives (DQO) Summary Report were received and addressed. The draft DQO Summary Report outlines the proposed future groundwater monitoring networks for the 200 Areas. The Groundwater Protection Program (GPP) continues to consolidate and expand activities of the former Groundwater/Vadose Zone Integration Project, unifying the remediation approach in order to protect Hanford's groundwater and the Columbia River.

Presentation attached.

**Tritium Treatment Technology, M-026-05**

Presented by: Greg Sinton

RL has proposed that the frequency for submitting the Tritium Treatment Technology Report be changed from biennially to every-five years. For the intervening years not requiring a report, RL will submit a letter to the regulators keeping them abreast of any tritium treatment technology developments. The next Tritium Treatment Technology Report will be submitted to the regulators no later than March 31, 2004. This change of date supports the five-year CERCLA/EPA groundwater record of decision (ROD) review.

Presentation attached.

**Land Disposal Restriction Report, M-026-01**

Presented by: Greg Sinton

Start: 10:10 a.m.

End: 10:15 a.m.

Progress continues to be made by the LDR Working Group and the LDR Report Project Manager's Meeting. Tri-Party Agreement Interim Milestone M-026-01M will be delivered to Ecology on schedule. No significant regulatory issues/concerns resulting in follow-on actions were identified during the presentation. Presentation attached.

**Acquisition of Facilities to TSD TRU/TRUM, LLMW and GTC3 (M-091)**

Presented by: Todd Shrader, RL

Start: 10:15 a.m.

End: 10:30 a.m.

Ecology stated their displeasure that the presentation was not provided to them until the night before the meeting and reminded RL that the presentations are joint presentations and that the presentation material represents a programmatic status and not one agencies position. Due to the M-091 litigation, RL was directed not to discuss M-091 milestones. In accordance with RL Office of Chief Counsel, no presentation materials were available.

**Acquisition of Facilities Cs/Sr, Na, SCW (M-092)**

Presented by: Sen Moy

Start:

End:

No significant regulatory issues/concerns resulting in follow-on actions were identified. Presentation attached.

**Permitting/Closure Plans, M-020-00**

Presented by: Ellen Mattlin, RL

Start: 10:30 a.m.

End: 10:37 a.m.

The Hanford RCRA Permit expires September 27, 2004. The permittees are preparing to reapply for the Permit and are discussing scope, content and format issues with Ecology through the RCRA Permit Board. The reapplication is due to Ecology March 31, 2004. Issuance of Modification E (Central Waste Complex

and Waste Receiving and Processing Facility) is waiting a decision on offsite shipments. Ecology proposed Modification F to the Hanford Facility RCRA Permit, which incorporates the 222-S Laboratory Complex.

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

**ATTENDEES**

**Central Plateau/Spent Nuclear Fuel  
Tri-Party Agreement Milestone Review  
April 22, 2003**

<u>NAME</u>	<u>ORGANIZATION</u>	<u>MAILSTOP</u>	<u>ATTACHMENTS</u>
Dennis Fall	SDA		
JEFF HERTZEL	FH TPAI		
Hector M. Rodriguez	DOE-RL-RCA	A5-15	✓
STEVE VEITENHEIMER	RL-SFO		
Stacy Charbonneau	RL-SFO		
Larry Gadbois	EPA	B5-01	
Nick Ceto	EPA		
Laura Cusack	ecology		✓
Wade Ballard	DOE-RL		
Craig Cameron	EPA	B5-01	
MIKE WILSON	Ecology		
JANE HEDGES	Ecology		
Ron Skinnard	Ecology		
DEANNA HENRY	OREGON ENERGY		
David Watson	FH SUFF	X379	
ROB GIBBS	FH TPA		✓
WRI FRITZ	FH-WM		
Tony Muskeho	FH - Env. Protection		
BRYAN FOSEY	DOE-RL	16-38	
JOHN MORSO	DOE-RL	AG-38	
Ellen Matlin	DOE-RL	A5-15	X
Allison Wright	DOE-RL	AG-33	X
GEORGE JACKSON	FH - PFP		



# **Hanford Spent Nuclear Fuel Project**

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



**Stacy Charboneau**  
***U.S. Department of Energy,***  
***Richland Operations Office***

***April 22, 2003***

Hanford Spent Nuclear Fuel Project

**TPA Milestone Status**  
**Milestones Due Fiscal Year 2003**

Number	Milestone Title	Due Date	Status/Comments
M-34-12-T01	Complete construction of Sludge Water System (SWS) per section IIA of Construction Completion Document (i.e., completion of operational testing)	9/30/2002	Complete 3/4/2003.
M-34-17	Initiate K East to K West fuel transfer	11/30/2002	Complete 11/25/2002.
M-34-18A	Complete removal of 957 Metric Tons of Heavy Metal (MTHM) of Spent Nuclear Fuel (SNF) from the K West Basin	12/31/2002	Complete 1/7/2003.
M-34-08	Initiate full scale K East Basin sludge removal	12/31/2002	Behind Schedule. Forecast sludge removal operation to be initiated by 5/28/2003.
M-34-27-T01	Complete removal of 1252 MTHM of SNF from K West Basin	5/31/2003	Expect to be completed on schedule assuming repairs to K East and K West Basin Fuel Transfer System jack screw lifting devices are completed by 4/28/2003.

TPA Mile Rev 4/15/03 2



Hanford Spent Nuclear Fuel Project

**TPA Milestone Status**  
**Milestones Due Fiscal Year 2004-2007**

Number	Milestone Title	Due Date	Status/Comments
M-34-28	Complete removal of 1619 MTHM from the K West Basin	12/31/2003	Change under consideration due to accelerated project schedule. Changes will be identified by 6/30/2003.
M-34-25-T01	Complete transfer of K East Basin SNF to K West Basin	5/31/2004	On Schedule
M-34-18B	Complete removal of all K Basin SNF	7/31/2004	On Schedule
M-34-10	Complete sludge removal from K Basins	8/31/2004	K East Basin sludge removal planned for completion by 8/31/2004. Possible change for K West Basin sludge removal is under consideration due to accelerated project schedule, and will be identified by 6/30/2003.
M-34-23	Start K East water removal	9/30/2004	Change under consideration due to accelerated project schedule. Changes will be identified by 6/30/2003.
M-34-09-T01	Complete K Basins rack & canister removal	1/31/2005	Change under consideration due to accelerated project schedule. Changes will be identified by 6/30/2003.
M-34-24	Complete K East Basin water removal	9/30/2005	On Schedule
M-34-21-T01	Initiate full-scale K West Basin water removal	10/31/2005	On Schedule
M-34-22	Complete K West Basin water removal	8/31/2006	On Schedule
M-34-00A	Complete removal of K Basin fuel/sludge/debris/water	7/31/2007	On Schedule

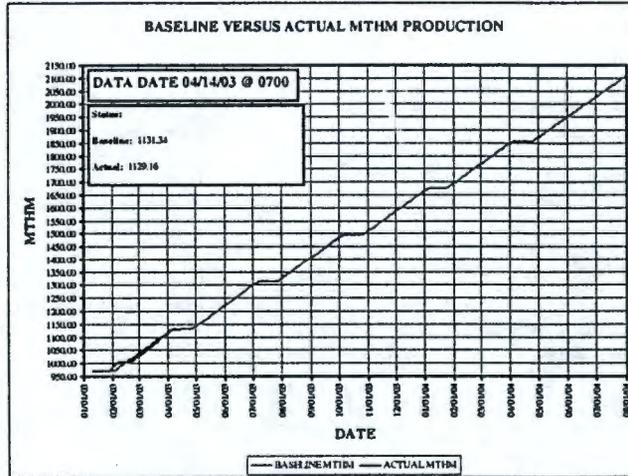
TPA Mile Rev 4/15/03 3



Hanford Spent Nuclear Fuel Project  
**Significant Accomplishments**

**Fuel Movement:**

- Completed shipment of 156.79 MTHM (27 Multi-Canister Overpacks (MCOs)) from K West Basin to Cold Vacuum Drying Facility (CVDF) between January 21, 2003 and April 14, 2003, for a cumulative total of 214 MCOs and 1129.16 MTHM.



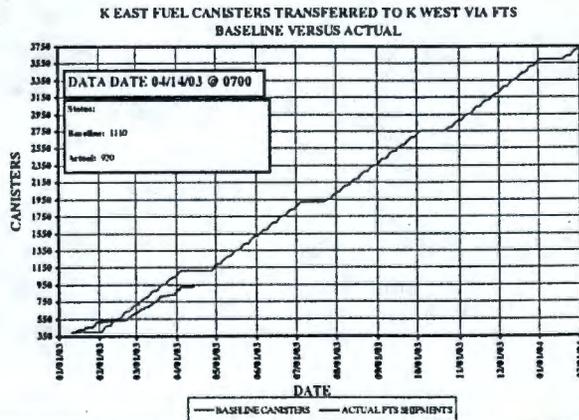
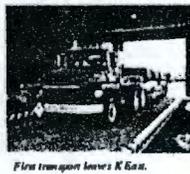
TPA Mile Rev 01703 4



Hanford Spent Nuclear Fuel Project  
**Significant Accomplishments (continued)**

**Fuel Transfer System (FTS):**

- Completed 49 fuel transfer shipments (490 canisters) during the period of January 21-2003 - April 14, 2003. The project has shipped a cumulative total of 92 shipments, and is 19 shipments behind schedule.
- Continue to focus on resolving equipment failure issues, which are the primary source of FTS shipment delays.
- Continue to increase the number of qualified operators and radiological control technicians, and schedule additional shipments during the week, while limiting weekend overtime.



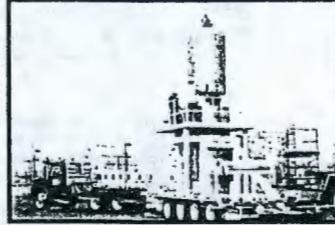
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## Significant Accomplishments (continued)

### K East SWS:

- Completed construction and construction acceptance testing, per TPA M-34-12-T01.
- Obtained approval of transportation safety documentation.
- Completed system hydrostatic test for West Bay, Center Bay, and above water portions.
- Completed operational startup testing.
- Obtained Operations approval for Acceptance for Beneficial Use.



Sludge Transportation System – Test loading large diameter container into casks at K Basins

### K West Basin Sludge Retrieval/Storage System:

- Conducted a successful Vendor Forum on March 24, 2003; over 60 attendees participated; conducted one-on-one interviews with 22 individual companies.
- Received responses from 12 companies attending Vendor Forum.
- Initiated formal project planning, including: Draft Project Execution Plan and Request for Proposal; and a Risk Management Strategy that will be used to manage the cost and schedule risk with this activity (teaming with Fluor corporate and PNNL).



## Significant Accomplishments (continued)

### Canister Storage Building CSB:

- Completed Readiness Assessment for MCO welding.
- Initiated welding operations February 2, 2003, on schedule.
  - A total of 25 MCOs have been welded and "N" stamped as of April 16, 2003.



First MCO welded.

First "N" Stamp.

### K West Scrap Removal:

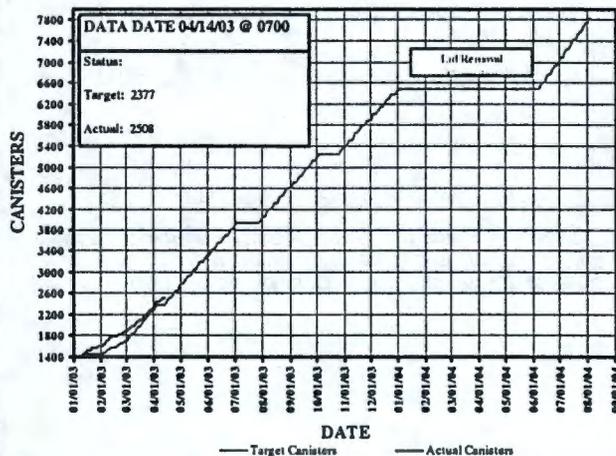
- Completed construction and installation of the SNF scrap removal system at the K West Basin.



## Significant Accomplishments

### Canister Cleaning:

EMPTY CANISTERS REMOVED FROM K WEST  
TARGET VERSUS ACTUAL



Above: Canisters are bagged out of the canister cleaning enclosure.



## Significant Accomplishments (continued)

### Site-Wide SNF Activities:

- Continued readiness preparations to receive first 18 Interim Storage Casks (ISCs) from the Fast Flux Test Facility (FFTF). ISC receipt schedules are being revised to reflect FFTF deactivation. The first shipment is expected in mid-2004.
- Continued evaluation of storage of Category I/II spent fuel from FFTF and Plutonium Finishing Plant (PFP) at the CSB to support PFP deinventory.
- Continued preparations for receipt at K Basins of discovered spent fuel a D Reactor and H Reactor Basin.
- No additional Shippingport Reactor Spent Fuel shipments were received from T-Plant (seven of a total of 18 shipments received to date).



## Significant Accomplishments (continued)

### Deactivation and Transition:

- Conducted Vendor Forum in Richland to acquire information on work methods, techniques, and interest.
- Completed preliminary radiological dose assessments of the 105 K Basin in a de watered state.
  - Results at the grating level are 19R/hr to 39R/hr, and represent a significant radiological hazard.
- Preliminary deactivation alternatives have been identified.
  - Using weighted screening criteria to evaluate alternatives. Various options include: accelerated baseline, encapsulating basin debris in-situ and removal, and removal of basin structure and remaining components.



## Upcoming Activities

### Fuel Movement

- Complete removal of 1,252 metric tons of heavy metal SNF from K West Basin by May 31, 2003. (Target Milestone M-34-27-T01)

### K East SWS

- Start Contractor Operational Readiness Review (ORR) in April 2003.
- Start DOE ORR in May 2003.
- Initiate full scale K East basin sludge removal by May 28, 2003. (Milestone M-34-08)

### K West Basin Sludge Retrieval/Storage System

- Establish Initial Risk Management Plan and perform initial risk assessment
- Develop critical path basis of estimate schedule.
- Prepare and issue Request for Proposal.

K West Basin Scrap – Complete Readiness Assessment for K West Basin Scrap SNF removal in April 2003.

### Deactivation and Transition

- Conduct consultations with EPA on deactivation alternatives and end-point criteria.
- Complete K East Basin deactivation alternatives and end-point report; transmit to RL by June 30, 2003

Site-Wide Activities – Receive first shipment of eleven Interim Storage Casks from the Fast Flux Test Facility (FFTF) in July 2003.



## ***SNF Project Issues/Concerns***

**Issue:** Timeline for EPA review and approval of the Application for Risk-Based Disposal Approval for Polychlorinated Biphenyls (PCB) at 200 Area Liquid Waste Processing Facilities uncertain. It is uncertain if the project will have to make budgetary allowances to provide for PCB treatment of K East Basin water as part of the scope and cost for deactivation. Deactivation activities are currently being planned for inclusion in a June 30, 2002 report to RL.

**Issue:** Recent contract changes that accelerate cleanup of the K Basins will likely require changes to five TPA milestones and target dates. Proposed changes will be identified by June 30, 2003.



## ***Permitting and Regulatory Issues***

See issues and concerns

### ***Non-TPA Regulatory Issues with Potential to Impact SNF Project TPA Milestones***

Washington State Department of Health inspection and acceptance of T-Plant stack as a "major stack" is required prior to receipt of the K Basin Sludge. It is assumed that issues related to T-Plant air permit approval conditions will be resolved prior to sludge removal.

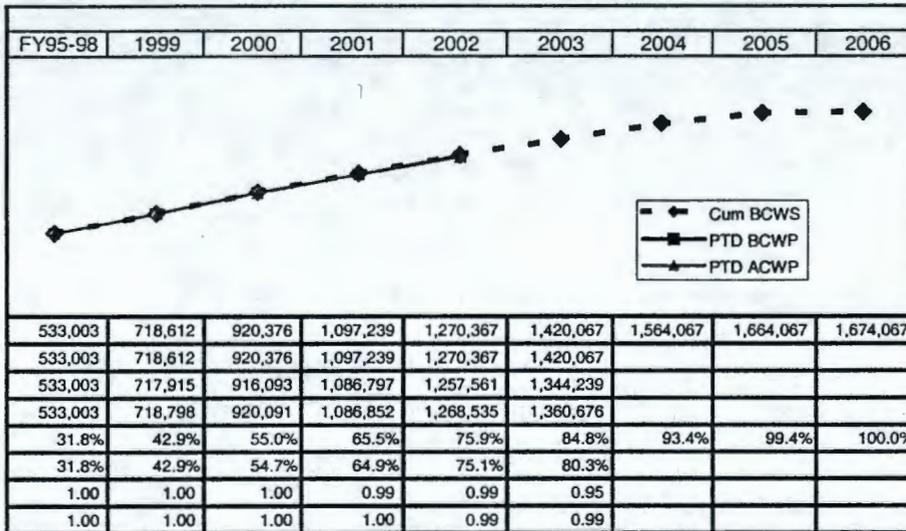


## Performance Measurement Terminology

- **BCWS (Budgeted Cost of Work Scheduled)**
  - *BCWS represents the baseline budget for a scope of work over time. BCWS is normally combined with a term such as "Current Period" or "Fiscal Year to Date (FYTD)" to identify the time period the BCWS is associated with. BCWS is created by spreading the baseline cost estimate for a scope of work across its schedule activity duration based on the expected monthly level of activity. BCWS is the basis for the funding requested to perform a scope of work and is maintained through a documented change control process.*
- **BCWP (Budgeted Cost of Work Performed)**
  - *BCWP represents the value of the work actually accomplished during a period based upon its budgeted value or BCWS. BCWP is a measure of the value of work based upon the physical work reported complete per the baseline schedule status update.*
- **ACWP (Actual Cost of Work Performed)**
  - *ACWP represents the actual costs incurred to perform the work that was completed during a period and recorded as BCWP. For any particular period, ACWP includes accruals for costs not invoiced or booked associated with work that was performed during the period.*
- **SCHEDULE VARIANCE (SV)**
  - *SV represents the difference between the work actually accomplished and the work planned or scheduled during any particular time period. (SV= BCWP-BCWS) A positive SV reflects an ahead of schedule situation while a negative SV reflects that work is behind the scheduled plan.*
- **COST VARIANCE (CV)**
  - *CV represents the difference between the budgeted value of the work actually accomplished and the actual costs incurred to perform the work. (CV=BCWP-ACWP) A positive CV reflects the work being accomplished for less than its budgeted value and a negative CV reflects the work costing more to complete than planned.*
- **BAC (Budget at Completion)**
  - *BAC represents the total baseline budget for a scope of work associated with either a fiscal year or life cycle. BAC is the summary of all monthly BCWS values for a scope of work within the fiscal year or life cycle. On a fiscal year end report the FYTD BCWS will equal the FY BAC.*



# Hanford Spent Nuclear Fuel Project

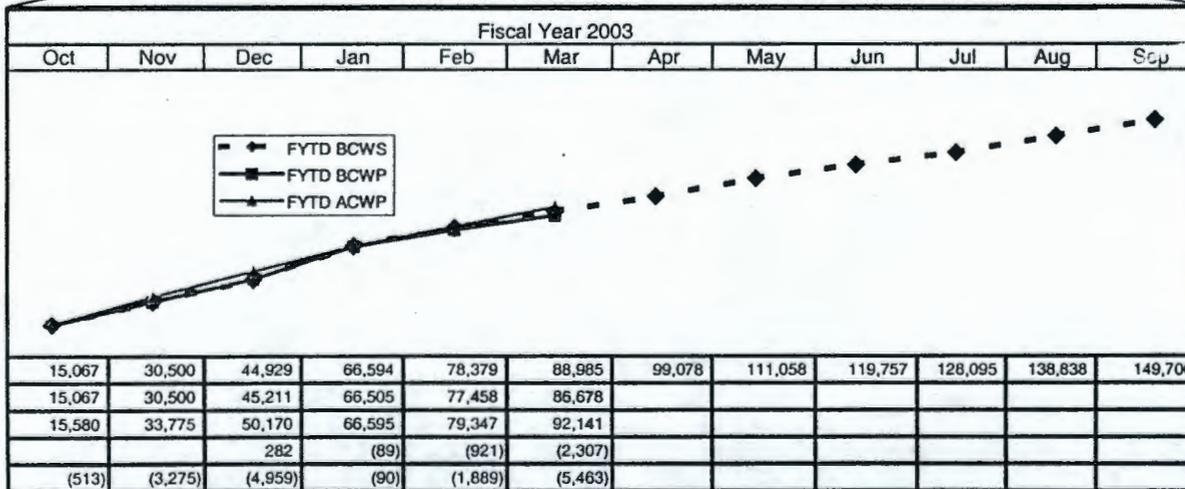


Life Cycle	
*BAC=	1,674,067
EAC=	1,674,067
BCWS=	1,420,067
BCWP=	1,344,239
ACWP=	1,360,676
SV=	(75,828)
CV=	(16,438)

\* Current BAC reflects a 10-month acceleration to the TPA completion date.

## SNF Project - Total Project Baseline

Cum BCWS	533,003	718,612	920,376	1,097,239	1,270,367	1,420,067	1,564,067	1,664,067	1,674,067
PTD BCWS	533,003	718,612	920,376	1,097,239	1,270,367	1,420,067			
PTD BCWP	533,003	717,915	916,093	1,086,797	1,257,561	1,344,239			
PTD ACWP	533,003	718,798	920,091	1,086,852	1,268,535	1,360,676			
% Sch	31.8%	42.9%	55.0%	65.5%	75.9%	84.8%	93.4%	99.4%	100.0%
% Cmpl	31.8%	42.9%	54.7%	64.9%	75.1%	80.3%			
SPI	1.00	1.00	1.00	0.99	0.99	0.95			
CPI	1.00	1.00	1.00	1.00	0.99	0.99			



FYTD BCWS	15,067	30,500	44,929	66,594	78,379	88,985	99,078	111,058	119,757	128,095	138,838	149,700
FYTD BCWP	15,067	30,500	45,211	66,505	77,458	86,678						
FYTD ACWP	15,580	33,775	50,170	66,595	79,347	92,141						
Sched VAR			282	(89)	(921)	(2,307)						
Cost VAR	(513)	(3,275)	(4,959)	(90)	(1,889)	(5,463)						

**SCHEDULE VARIANCE (\$2,307) K**

The SNF FYTD unfavorable schedule variance is due to MCO/Fuel moves, KE SWS construction, CSB welding and MCO fabrication.

**COST VARIANCE (\$5,463) K**

The unfavorable cost variance is due to KE & KW Fuel transfers, KE SWS/T-Plant Sludge (EPC), MCO Fabrication, CVD Operations/Engineering, CSB MCO Welding, Technical Support and Program Management.

**NOTE:** FY 2003 October through December performance does not reflect rebaseline which was revised be consistent with new performance agreements.



## Spent Nuclear Fuel Project Project Performance thru First Quarter FY 03 *(based on early start schedule)*

(\$ in thousands)

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

	By PBS	<u>FYTD</u> <u>ACWP</u>
PBS RS03 WBS 3.2.3.1	SNF Project, 100K Basins	\$ 65,527
PBS RS03 WBS 3.2.3.2	Canister Storage Building (to 2004)	\$ 7,289
PBS RS03 WBS 3.2.3.3	200 Interim Storage Area (to 2004)	\$ 566
PBS RS03 WBS 3.2.3.4	SNF Project Management Support	\$ 18,759
	<b>TOTAL</b>	<b>\$ 92,141</b>



# **Plutonium Finishing Plant Stabilization Project**

**Milestone**

**TPA-M-83**

**April 22, 2003  
Tri-Party Agreement Milestone  
Status Report**

**Ecology Project Manager - R. Bond  
DOE-RL Program Manager - L. D. Romine  
FH Project Manager - G. W. Jackson  
FH Environmental - A. M. Hopkins**

## M-83 Status for Interim Milestones Through 2006 (as of 03/31/03)

TPA No.	TPA Commitment Date	Milestone Title	Status
M-083-21	12/31/02	SUBMIT PFP RESIDUAL CHEMICAL HAZARDS ASSESSMENT	Complete 12/27/02
M-083-30	7/31/03	SUBMIT 241-Z WASTE TSD AND GLOVEBOX HA-20MB CLOSURE PLANS	On Schedule
M-083-20	9/30/03	SUBMIT FACILITY TRANSITION END POINT CRITERIA DOCUMENT	On Schedule
M-083-12-T01	12/31/03	SUBMIT PFP LEGACY PU HOLDUP REMOVAL PLAN TO ECOLOGY	On Schedule
M-083-13	4/30/04	COMPLETE REPACKAGING OF PFP MIXED WASTE RESIDUES & SHIP TO CWC	On Schedule
M-083-31	6/30/05	DISCONTINUE WASTE DISCHARGES FROM THE 241-Z TANKS TO TANK FARMS	On Schedule
M-083-14	9/30/06	COMPLETE 100% OF THE LEGACY PU HOLDUP REMOVAL	On Schedule
M-083-40	9/30/06	COMPLETE TRANSITION AND DISMANTLEMENT OF 232-Z BLDG INCINERATOR	On Schedule

# PFP Pu Stabilization Scoreboard (DNFSB Status)

% Stabilized / Made Disposition Ready as of March 31, 2003

	1/31/03	3/31/03
Solutions (by Pu Weight) -----	100%	100%
Metals -----	100%	100% *
Alloys -----	100%	100%
Oxides -----	13%	20%
Polycubes -----	58%	100%
Residues -----	89%	95%
3013 Packaging -----	48%	53%

\* The outer cans will be either re-canned or radiographed

# Major Accomplishments

- ◆ **Completed polycube stabilization and repackaging on February 28, 2003 - one month ahead of the schedule.**
- ◆ **Residues**
  - Qualified two calorimeters for Waste Isolation Pilot Plant (WIPP) and safeguards measurements. Received the five remaining calorimeters (for a total of seven) which are currently in the certification process
  - Completed measurement of last SS&C item on April 1, 2003
  - Completed repackaging of oxide residues (first of 3 groups of oxides) on April 1, 2003. Forty-five items remain to be measured by calorimeter
  - Initiated repackaging of <10% Pu mixed oxide (MOX) on April 2, 2003
- ◆ **Outer Can Packaging**
  - A total of four hundred and seventy-one 3013 containers have been produced during this fiscal year. Eighty-nine containers ahead of the FY03 production baseline.

# Major Accomplishments

## ◆ D & D PFP

- **Chemical holdup removal/mitigation activities**
  - 'Ready for Demo' activities were completed in rooms 336/337, 234-5Z Bldg, with the removal of 23 cold chemical makeup tanks.
  - Chemical priority activities continue in PRF, with the removal of 4 tanks and the B-Acid line from Room 40 into the Room 41 MT gloveboxes
- **232-Z**
  - Pre-decisional draft of the Engineering Evaluation/Cost Analysis (EE/CA) for 232-Z D&D has been provided via DOE to Ecology and EPA
  - Utility isolation began in 232-Z on 3/31/03. Pre-D&D housekeeping and maintenance activities continue.

# Major Accomplishments

## ◆ D & D PFP (continued)

### ● 234-5Z

- Further legacy holdup removal was completed on HC-7C hot spots and ceiling.

### ● 236-Z

- Planning for legacy holdup removal from PRF gloveboxes MT-1, -3, -4, -5 and -6 has been completed

### ● 241-Z

- An alternate monitoring plan for the 241-Z stack was transmitted via letter to RL on March 21, 2003 to obtain EPA approval

# Planned Accomplishments

## ◆ Residues

- Startup and complete repackaging of Group 2 alloys and miscellaneous residues by June 2003
- Complete DNFSB residue milestone (2 groups of oxides need to be completed to meet TPA milestone)
- Qualify remaining calorimeters
- Carlsbad Field Office (CBFO) and EPA recertification audit of Hanford TRU program including PFP is scheduled for the week of June 16, 2003

## ◆ Stabilization of Nuclear Materials

- Startup chloride wash and stabilization
- Continue stabilization and packaging of oxides

## ◆ D& D PFP

- Submit Legacy Holdup Removal plan to DOE
- Submit draft Closure Plans to Ecology for comment
- Transition 232-Z
  - Startup deactivation of 232-Z in May-June timeframe
  - Submit 232-Z EE/CA (FH transmittal to DOE in concurrence)
- Transition 234-Z
  - Startup removal activities in HC-9B
- Transition 236-Z
  - Startup removal of miscellaneous treatment gloveboxes 5 and 6, 4th floor PRF

# Cost Performance

## (as of 3/31/03)

WBS	Title	BCWS	BCWP	ACWP	FYTD		CV \$	CV %	BAC
					SV \$	SV %			
PBS CP03									
WBS 3.3.3	Plutonium Finishing Plant	47,694.1	48,138.4	49,373.3	444.3	0.9%	(1,234.9)	-2.6%	110,082.6

**Unfavorable cost variance (\$1.2M ) primarily contributed to:**

- ◆ **Underestimate of general project management support.**
- ◆ **Recovery actions in progress to identify under runs within PFP.**
  - Actions include limit staff augmentation support, control overtime and general procurements, manage new hires and replacement hiring.

## **Schedule Performance (as of 3/31/03)**

**Favorable schedule variance (\$444K) primarily contributed to:**

- ◆ **The fiscal year to date schedule variance is \$444K or 0.9%.  
The schedule variance is primarily the result of stabilization  
production being ahead of plan.**

## Potential Issues/Requests for Assistance

- ◆ **241-Z Alternate Monitoring Plan provided to EPA in March**
- ◆ **241-Z and 232-Z Notice of Construction to be provided to DOH in May, 2003**

# CENTRAL PLATEAU

**CENTRAL PLATEAU  
FY 2003 TPA MILESTONE SUMMARY  
(Major & Interim Milestones)**

**Status as of: March 31, 2003**

PBS	Milestone	Title	Compliance Date	Forecast/ Actual Date	Completed		Forecast		
					Ahead Schedule	On Schedule	Ahead Schedule	On Schedule	Behind Schedule
CP01	M-15-41B	Submit 200-TW-1 & TW-2 OU RI Report, including Past Practice Waste Sites in 200-PW-5 Fission Product-Rich Process Waste Group	10/30/02	10/23/02	X				
CP01	M-13-00M	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan for the 200-IS-1 Tanks/Lines/Pits/Diversion Boxes OU	12/31/02	12/30/02	X				
SS03	M-24-00N	Install RCRA Groundwater Wells at the Rate of 50 per Calendar Year	12/31/02	12/18/02	X				
SS03	M-24-56	Install Two Additional Wells at SST Waste Management Area TX-TY	12/31/02	12/18/02	X				
SS03	M-16-28A	Connect Well 199-K-126 to the 100-KR-4 Pump & Treat Extraction System	01/15/03	01/13/03	X				
CP01	M-15-38A	Submit 200-CW-1 Gable Mountain Pond/B Pond & Ditches Waste Site OU, 200-CW-3 North Area Cooling Water Waste Group OU, & 200 North Area Waste Sites FS/PP	03/31/03	03/31/03		X			
CP01	M-15-40B	Submit 200-CW-5 U Pond/Z Ditches Cooling Water RI Report, Including Past Practice Waste Sites in the 200-CW-2 S Ponds/Ditches Cooling Water Group, the 200-CW-4 T Ponds/Ditches Cooling Water Group, and the 200-SC-1 Steam Condensate Group	05/31/03	05/31/03				X	
CP01	M-15-47	Submit a Proposed Plan to Conduct Remedial Action(s) for Source Control at High Risk Waste Site(s) Which Includes a Engineering Evaluation of an Engineered Barrier	06/30/03	06/30/03				X	
SS03	M-16-27C	Complete 100-HR-3 Phase III ISRM Barrier Emplacement Planning, Well Installation, and Barrier Emplacement	06/30/03	06/30/03				X	
CP01	M-15-39A	Complete Chemical Sewer Group Field Work Through Sample Collection and Analysis	09/30/03	09/30/03				X	

## CENTRAL PLATEAU PROJECT ACCOMPLISHMENTS

### 200 Area Remediation

One Tri-Party Agreement (TPA) Milestone was met (M-15-38A) in March with the delivery of the regulator review drafts of the *Feasibility Study for the 200-CW-1 and 200 CW-3 Operable Units and the 200 North Area Waste Sites* and the *Proposed Plan for the 200-CW-1 Gable Mountain Pond/B Pond and Ditches Waste Group Operable Unit, the 200-CW-3 North Area Cooling Water Waste Group Operable Unit, and the 200 North Area Waste Sites*.

In December, the Tri-Parties held a workshop with representatives from all the affected Tribes to request input for tribe-specific risk assessment scenarios. The Umatilla Tribal representative provided a scenario specific to his tribe. This scenario was included into the 200-CW-1/200-CW-3/200 North Feasibility Study. The remaining representatives made commitments to discuss the topic with their tribal councils and provide the Tri-Parties with a response in the future.

In March, the Tri-Parties completed a workshop on the *Central Plateau Ecological Evaluation Report*. The document presents a screening-level ecological risk assessment for the entire Central Plateau area that complies with EPA guidance. The document will be issued for review by regulators beginning 15 April, 2003. Information copies will also be provided to the Tribes and other interested stakeholders including the Hanford Natural Resource Trustees.

Also in March, two waste site field investigations were completed with the collection of samples from two borehole locations. The waste sites are contained within the Chemical Sewers Operable Unit (200-CS-1). One of the boreholes was completed as a RCRA groundwater monitoring well for the 216-S-10 Ditch.

In January, preparation of a high-risk waste site(s) Focused Feasibility Study/Proposed Plan was initiated to support closure of the U-Plant area. The Focused Feasibility Study/Proposed Plan will be submitted to Ecology and EPA by June 30, 2003, to satisfy TPA Milestone M-15-47.

Several other TPA documents, including Remedial Investigation Reports, Feasibility Studies, Closure Plans, Proposed Plans, and Proposed Permit Modifications, are in various stages of review/completion.

### Groundwater Remediation

Regulator comments have been received and addressed on a draft Data Quality Objectives Summary Report that outlines the proposed future groundwater monitoring networks for the 200-West and 200-East Areas. The draft report has been

revised. The Final document is in the process of being issued.

The three 100 Area pump and treat systems (100-KR-4, 100-NR-2 and 100-HR-3), and the two Central Plateau groundwater pump and treat systems (200-UP-1, 200-ZP-1) continued to operate above 90 % availability throughout the second quarter.

Spring startup of the 200-PW-1 active soil vapor extraction system is scheduled for April 1, 2003.

Two wells (one for extraction and one for monitoring) were completed this quarter at 100-KR-4, and an extraction well was drilled at 200-ZP-1. All three of these CERCLA wells were identified on the draft M-24-000 milestone. In addition, two monitoring wells were completed at the 618-10 burial ground in support of the 300-FF-5 Operation and Maintenance Plan.

The connection of well 199-K-126 to the 100-KR-4 pump and treat system was completed in January. This work was done to meet interim milestone M-16-28A.

The first of the remaining five injections to complete the ISRM barrier was initiated in March. These injections will meet milestone M-16-27C.

### Groundwater/Vadose Zone Integration

The Groundwater Protection Program (GPP) continues to consolidate and expand activities of the former Groundwater/Vadose Zone Integration Project, unifying the remediation approach in order to protect Hanford's groundwater and the Columbia River.

GPP staff developed an integrated approach to groundwater protection through accelerated cleanup schedules. These efforts culminated in *Hanford's Groundwater Management Plan: Accelerated Cleanup and Protection*. This plan, developed in collaboration with DOE and endorsed by the regulators, shrinks the time required for achieving goals from 2024 to 2012. The plan—which focuses on remediation of high-risk waste sites, reduction of contaminated areas, reduction of recharge, remediation of groundwater, and monitoring needs for long-term stewardship—has been transmitted by Fluor Hanford to DOE.

GPP staff presented the plans and strategies at Open Meetings February 3 and March 3, as well as River and Plateau Committee Meetings February 12 and March 12. Also in February, GPP staff members visited the Nez Perce in Lapwai, Idaho to present results of a recent assessment completed with the System Assessment Capability and discuss tribal interests in future assessments.

Richland Environmental Restoration Project

TPA MILESTONES SUMMARY SCHEDULE -- CENTRAL PLATEAU

OPERABLE UNIT	Fiscal 2002				Fiscal 2003				Fiscal 2004				Fiscal 2005				Fiscal 2006				Fiscal 2007				Fiscal 2008				Fiscal 2009				Fiscal 2010				Fiscal 2011				Fiscal 2012				Fiscal 2013			
	BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR							
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th				
GROUND-WATER	<p><b>COMMON</b></p> <p>M-24-51 thru 55 -- M-24-51 (9/5/01A), M-24-52 (9/29/01A), M-24-54 (10/19/01A), M-24-53-55 (11/08/01A) Install 11 Monitoring Wells at SST WMA B-BX-BY, U, S-SX, T, TX-TY</p> <p>M-24-56 12/18/02 (A) Install 2 Monitoring Wells at SST WMA TX-TY</p> <p>M-24-000 Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in CY 2003 (if required)</p> <p>M-24-00Q Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in CY 2005 (if required)</p> <p>M-24-00M 11/08/01A Install RCRA Groundwater Monitoring Wells at Rate from 0 to 50 in CY 2001 (if required)</p> <p>M-24-00N 12/18/02 (A) Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in CY 2002 (if required)</p> <p>M-24-00P Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in CY 2004 (if required)</p> <p>M-24-00R Install RCRA Groundwater Monitoring Wells at Rate of Up to 50 in CY 2006 (if required)</p>																																															
	<p><b>100-HR-3</b></p> <p>M-18-27C Complete 100-HR-3 Phase III, ISRM Barrier Emplacement</p> <p>M-18-27B 11/20/01(A) Complete 100-HR-3 Phase II, ISRM Barrier Emplacement</p>																																															

TPA MILESTONE   
 TPA MAJOR MILESTONE   
 TARGET MILESTONE   
 FORECAST   
 COMPLETE   
 UNRECOVERABLE   
 'AT RISK'   
 (P) PENDING CHANGE REQUEST   
 RCRA PERMIT COMMITMENT

Richland Environmental Restoration Project

TPA MILESTONE SUMMARY SCHEDULE -- CENTRAL PLATEAU

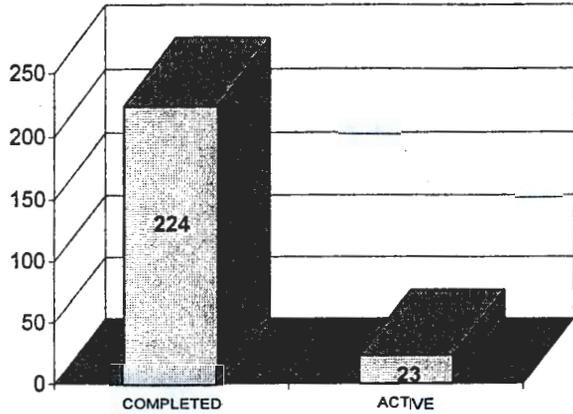
OPERABLE UNIT	Fiscal 2002				Fiscal 2003				Fiscal 2004				Fiscal 2005				Fiscal 2006				Fiscal 2007				Fiscal 2008				Fiscal 2009				Fiscal 2010				Fiscal 2011				Fiscal 2012				Fiscal 2013											
	BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR				BY QTR											
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th								
<b>200 AREA REMEDIAL ACTION</b>					M-13-00M 12/24/01(A) Submit 3 200 NPL RI/FS (RFV/CMS) Work Plans								M-13-00N Submit 1 200 NPL RI/FS (RFV/CMS) Work Plan for 200-IS-1 OU, Includes waste sites in 200-ST-1								M-13-00O Submit 1 200 NPL RI/FS (RFV/CMS) Work Plan for 200-SW-2 OU, Includes waste sites in 200-SW-1																																			
<b>200 AREA WORK PLANS</b>					M-13-26 12/26/01(A) Submit Plutonium/Organic-Rich Process Waste Group (200-PW-1) Work Plan																																																			
<b>200 AREA ASSESSMENTS</b>					M-15-38A 10/23/02 (A) Submit 200-CW-1 FS/PP/Proposed RCRA Permit Mod for Gable Min Pond/B Pond and Ditch Cooling Water Group .....								M-15-40C Submit 200-CW-5 FS/PP for U Pond/Z Ditches Cooling Water Group, Including Past Practice Waste Sites in 200-CW-2, 200-CW-4, & 200-SC-1																																											
200-CW-1 200-CW-5					M-15-40B Submit 200-CW-5 U Pond/ Z Ditches Cooling Water Group RI Report, Including Past Practice Waste Sites in 200-CW-2, 200-CW-4, & 200-SC-1																																																			
200-CS-1					M-15-39A Complete Chemical Sewer Group Field Work Through Sample Collection and Analysis				M-15-39B Submit 200-CS-1 Chemical Sewer Group RI Report				M-15-39C Submit 200-CS-1 FS/PP/Proposed RCRA Permit Mod for Chemical Sewer Group																																											
200-TW-1 / 200-TW-2					M-15-41B 10/23/02 (A) Submit 200-TW-1 & 200-TW-2 OU RI Report to Regulators, Includes Past Practice Waste Sites in 200-PW-5				M-15-41C Submit 200-TW-1 & 200-TW-2 OU FS/Proposed Plan to Regulators, including 200-PW-5																																															
200-PW-2									M-15-43B Submit 200-PW-2 OU RI Report Including Past Practice Waste Sites in 200-PW-4				M-15-43C Submit 200-PW-2 OU FS/PP/Proposed RCRA Permit Mod Including Past Practice Waste Sites in 200-PW-4																																											
<b>200 AREA COMMON</b>																																																								
<b>200 AREA CLOSURE PLANS</b>					M-15-47 Submit PP to Regulators to Conduct RA for Source Control at High-Risk Waste Sites Which Includes an Engrg Eval of an Engrd Surface Barrier																																																			
200-CS-1													M-20-39 Submit 216-S-10 Pond/Ditch Closure/Postclosure Plan to Ecology in Coord w/ FS for 200-CS-1 (to coord under M-15-39C)																																											
200-PW-2													M-20-33 Submit 216-A-10/368 Crib, & 207-A South Retention Basin Closure/Postclosure Plan to Ecology in Coord w/ FS for 200-PW-2 (to coord under M-15-43C)																																											
200-IS-1																																																								

TPA MILESTONE  
 TPA MAJOR MILESTONE  
 TARGET MILESTONE  
 FORECAST  
 COMPLETE  
 UNRECOVERABLE  
 "AT RISK"  
 (P) PENDING CHANGE REQUEST  
 RCRA PERMIT COMMITMENT

M-16-00 - 9/30/2024 - Complete Remedial Actions for All Non-Tank Farm Operable Units

**CENTRAL PLATEAU PROJECT**

**Central Plateau  
TPA Milestone Statistics  
(Major & Interim Milestones)**



	Compliance Due Date	Total Active @ 03/2003 *	Milestone Number	Compliance Due Date	Milestone Number	Compliance Due Date
<b>M-13-00</b> Submit Work Plans for RFI/CMS or RI/FS Studies	12/31/04 (M-13-00O)	2	M-13-00M(C)	12/31/02		
			M-13-00N	12/31/03		
			M-13-00O	12/31/04		
<b>M-15-00</b> Site Investigations / Feasibility Studies	12/31/08 (M-15-00)	11	M-15-41B(C)	10/30/02		
			M-15-38(C)	03/31/03		
			M-15-40B	05/31/03		
			M-15-47	06/30/03		
			M-15-39A	09/30/03		
			M-15-41C	03/31/04		
			M-15-39B	05/31/04		
			M-15-43B	06/30/04		
			M-15-40C	10/31/04		
			M-15-39C	11/30/05		
			M-15-43C	12/31/05		
			M-15-00C	12/31/08		
			M-15-30	12/31/08		
<b>M-16-00</b> Remedial Design / Remedial Action	9/30/24 (M-16-00)	2	M-16-28A(C)	03/31/03		
			M-16-27C	09/30/02		
			M-16-00	09/30/24		
<b>M-20-00</b> Submit Closure Plans for All RCRA TSD Units (Shared with FH)	12/31/08 (M-20-00B)	4	M-20-39	11/30/05		
			M-20-33	12/31/05		
			M-20-54	12/31/08		
			M-20-00B	12/31/08		
<b>M-24-00</b> RCRA Groundwater Monitoring	Annually	4	M-24-56(C)	12/31/02		
			M-24-00N(C)	12/31/02		
			M-24-00O	12/31/03		
			M-24-00P	12/31/04		
			M-24-00Q	12/31/05		
			M-24-00R	12/31/06		
<b>6 --- MILESTONES COMPLETED IN FY03 (C)</b>						

**TOTAL ACTIVE MILESTONES 23**

\* Includes TPA changes requests approved thru March 31, 2003.

## CENTRAL PLATEAU PROJECT ISSUES

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### 200 Area Remediation

**Issue**—Ecology and USDOE disagree about the timing for collecting ecological data to support remedial action decision making. USDOE has stated that the soil sampling conducted through the remedial investigation (RI) provides sufficient data to conduct ecological risk assessments in accordance with the EPA guidance for ecological risk evaluations, and to support final remedy selection decisions. Ecology asserts that some biological sampling is required as part of the RI, to meet the regulatory requirement to characterize the current and potential threats to the environment. USDOE is sensitive to the regulators' concern about ecological sampling in the Central Plateau, and proposes to collect data needs during the confirmatory sampling phase following the ROD issuance. Ecology asserts that the USDOE is required to submit a sampling plan (or plans) for biological sampling by Dec. 31, 2005 under TPA Major Milestone M-13-00, and is required to complete biological characterization by Dec. 31, 2008 under TPA Milestone M-15-00C. DOE asserts that Ecology's interpretation is, in fact, attempting to add interim TPA milestones under TPA major milestones M-13-00 and M-15-00C, which would require formal negotiation.

**Status**—USDOE is close to finalizing and issuing a *Draft B Central Plateau Ecological Assessment Report*. EPA and Ecology believe, pending formal review, that the report will fulfill EPA requirements for a screening level ecological risk assessment. Ecology, EPA, and USDOE in a workshop on March 4, 2003, agreed that the *Draft B Central Plateau Ecological Assessment Report* can be referenced in Tri-Party Agreement document submittals. USDOE proposes to revise other RI/FS submittals to incorporate reference to the document and indicate how ecological risk assessment is being addressed.

USDOE plans to begin a DQO process in May 2003 to support identification of ecological sampling data needs for the Central Plateau. This DQO process will involve participation from both EPA and Ecology as decision makers. DOE has stated that any data needs that are identified through the DQO would not be required for remedial action decision making and could be collected prior to implementation of remedial actions. Ecology is waiting on delivery of the *Draft B Central Plateau Ecological Assessment Report* to take a position on whether Tri-Party Agreement milestones M-13-00M, M-015-41B and M-015-38A were not met due to incomplete document submittals.

Tritium Treatment Technology Evaluation  
Tri-Party Agreement Milestone M-26-05  
April 22, 2003

G. L. Sinton  
RL Waste Management Division

# Tritium Treatment Technology Evaluation

## (Tri-Party Agreement Milestone M-26-05)

April 22, 2003

- The need to report and evaluate tritium treatment technology and its application for cleanup and management of tritiated waste water (e.g., 242-A Evaporator process condensate liquid effluent) and tritium contaminated groundwater on an annual basis was identified and incorporated into the Tri-Party Agreement in August 1994
- The frequency of the Tritium Treatment Technology Report was changed to biennially in 1996; last submittal was August 2001
- Tri-Party Agreement Change Request M-026-02-01 proposes that the reporting frequency be changed to every 5 years

# Tritium Treatment Technology Evaluation

(Tri-Party Agreement Milestone M-26-05)

April 22, 2003

- Tri-Party Agreement Interim Milestone M-026-05J is due to Ecology/EPA on August 31, 2003
- Tri-Party Agreement Change Request M-26-02-01 modifies the August 31, 2003, completion date to March 31, 2004 and establishes the five-year reporting frequency
  - The change in reporting frequency coincides with the EPA/CERCLA five-year groundwater record of decision (ROD) review
  - For the intervening years not requiring a report, DOE will submit a letter to EPA/Ecology keeping them abreast of any developments
  - Tri-Party Agreement Change Request is ready for approval

**Land Disposal Restrictions Report  
(Tri-Party Agreement Milestone M-26-01)  
Quarterly Presentation  
April 22, 2003**

**G. L. Sinton  
DOE Waste Management Division**

**Land Disposal Restrictions Report**  
**(Tri-Party Agreement Milestone M-26-01)**  
**April 22, 2003**

- Tri-Party Agreement requires that a Hanford Site Land Disposal Restrictions (LDR) Report be submitted annually
  - LDR Report is designated as a primary document in accordance with the Tri-Party Agreement
  
- The CY 2002 LDR Report (M-026-01M) is due to Ecology on April 30, 2003
  - CY 2002 LDR Report will be submitted on schedule

**Land Disposal Restrictions Report**  
**(Tri-Party Agreement Milestone M-26-01)**  
**April 22, 2003**

- Program Manager Meetings (PMMs) continue to resolve outstanding actions outlined in the March 14, 2002, Resolution Agreement
- The PMM's are also used to address issues or concerns identified during the conduct of workscope or outyear activities
- Open actions and/or remaining issues are statused during the PMM's
  - Six of the seven actions identified in the March 14, 2002, Resolution Agreement are complete. Initiated discussion on the remaining action in February 2003
  - Work continues on actions agreed to in the monthly PMM's

**Land Disposal Restrictions Report**  
**(Tri-Party Agreement Milestone M-26-01)**  
**April 22, 2003**

Actions Planned for Next Six Months

- DOE will submit the CY 2002 LDR Report to Ecology for review and approval on April 30, 2003
- Ecology will review the CY 2002 LDR Report by June 14, 2003 (45-day review) and either respond with comments or approve in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, Figure 9-1
- DOE and Ecology will continue PMM's focusing on requirements consolidation and PMM commitments/actions

# M-20 Milestone Status Permits and Closure Plans

Presented by:

**Ellen M. Mattlin**

U.S. Department of Energy

April 22, 2003

# Part B Permit Application Milestone Status

M-20-56 6/30/2003

Submit Canister Storage Facility Part B dangerous waste permit application to Ecology

M-20-57 6/30/2003

Submit Immobilized Low Activity Waste (ILAW) Disposal Facility certified Part B permit application to Ecology

## Current Milestone Status:

On schedule.

# Closure Plan Milestone Status

M-20-29A

Public Comment

Submit Sodium Storage Facility and Sodium Reaction Facility Closure Plan or request for procedural closure as defined in Section 6.3.3 of this Tri-Party Agreement to EPA and Ecology.

## Current Milestone Status:

A revised M-20-29A milestone was proposed (replaced by M-20-29B) in the M-81 Change Request. The Responses to Comments document is being finalized. On schedule for meeting the submittal date.

## Closure Plan Milestone Status (cont.)

M-20-33 12/31/2005

Submit 216-A-10 Crib, 216-A-36B Crib, 216-A-37-1 Crib, and 207-A South Retention Basin Closure/Postclosure Plans to Ecology in coordination with the Feasibility Study for the 200-PW-2 Uranium-Rich Process Waste Group Operable Unit (coordinate under M-15-43C)

M-20-39 11/30/2005

Submit 216-S-10 Pond and Ditch Closure/Postclosure Plans to Ecology in coordination with the Feasibility Study for the 200-CS-1 Chemical Sewer Group Operable Unit (coordinate under M-15-39C)

M-20-54 12/31/2008

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:

Program planning.

# Hanford Facility RCRA Permit Status

- The Hanford Facility RCRA Permit expires on 9/27/04. The Permittees are preparing to reapply for the Permit and are discussing scope, content, and format issues with Ecology through the RCRA Permit Board. The reapplication is due to Ecology 3/31/04.
- Issuance of Modification E (Central Waste Complex and Waste Receiving and Processing Facility) is waiting a decision on offsite shipments.
- Ecology proposed Modification F to the Hanford Facility RCRA Permit, which incorporates the 222-S Laboratory Complex. The Permittees provided comments to Ecology on Modification F. Ecology is reviewing agreements reached under Modification E in the context of permitting under Modification F.

## Accomplishments – last 3 months

- DOE submitted to Ecology the annual Dangerous Waste Report on 2/26/03.
- DOE submitted to Ecology annual Noncompliance Report on 2/26/03.
- DOE submitted to Ecology the certification of closure for the 1324-N Surface Impoundment and 1324-NA Percolation Pond on 2/07/03.
- DOE submitted to Ecology the closure plan for the 216-B-3 TSD unit, in conjunction with the CERCLA feasibility study for the 200-CW-1 and 200-CW-3 operable units, on 3/31/03.
- DOE submitted Class 1 modification to Ecology for quarter ending 3/31/03.
- DOE completed 200 Area and 300 Area RCRA inspections.
- Ecology issued SST System Closure plan NODs to DOE 3/03.
- Ecology issued NODs for the Low-Level Burial Grounds (LLBG) Part B permit application working draft.

## Planned Actions – next 6 months

- DOE complete semi-annual site-wide inspection (banks of Columbia River) by 4/28/03.
- DOE submit Immobilized High-Level Waste Storage Unit (IHLW) Part B permit application by 6/30/03.
- DOE submit Immobilized Low-Activity Waste Disposal Facility (ILAW) Part B permit application by 6/30/03.
- DOE submit Purgewater closure plan by 6/30/03.
- DOE and Ecology continue work on DST Part B permit application.
- DOE submit groundwater monitoring data for the 300 Area Process Trenches. DOE may submit a Class 2 modification request.
- DOE and Ecology continue NOD workshops for the LLBG comments received.

## Planned Actions – next 6 months (cont.)

- DOE and Ecology begin SST NOD workshops by 4/2003.
- DOE re-submit proposed permit modifications for the 1301-N TSD, to reflect the extended schedule required to remediate "plumes" of contaminated soil at the 1301-N crib.
- Ecology approve closure of the 1324-N surface impoundment and 1324-NA percolation pond, and DOE submit a post-closure groundwater monitoring plan for the units.
- Ecology provide DOE LLBG NODs for Chapter 3.
- Ecology will republish the RCRA Permit to reflect the corrective action language and any approved Class 1/2/3 permit modifications.
- Ecology develop draft permit for T Plant Complex
- EPA will issue Revision 1 to the HSWA portion of the Permit.