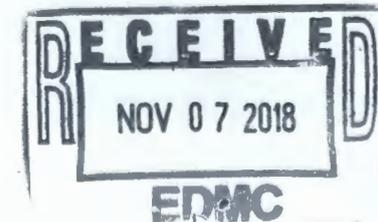


AGENDA
TRI-PARTY AGREEMENT MAJOR MILESTONE MANAGEMENT REVIEW
CHAIRPERSON: W. W. Ballard

THURSDAY, April 27, 2000
712 Swift Blvd., Suite 5, EPA Conference Room

<u>TIME</u>	<u>MILESTONE</u>	<u>TITLE</u>	<u>RL DIVISION DIRECTOR</u>	<u>PRESENTER</u>
9:00 am	M-34-00	Spent Nuclear Fuel	P. G. Loscoe	C. A. Rodriguez
9:30 am	M-26-01	Land Disposal Restrictions Report M-26-01 agenda item has been rescheduled to the May 23, 2000 Tri-Party Agreement Milestone Review.	W. W. Ballard	M. F. Jarvis
9:45 am	M-20-00	Permitting/Closure Plans	S. H. Wisness	E. M. Mattlin
10:00 am	M-89-00	324 Bldg. Closure of MW Units	D. T. Evans	D. W. Templeton
	M-92-00	Facilities for Cesium/Strontium, Sodium and Special Case Waste	D. T. Evans	J. K. Perry
	M-83-00	Plutonium Finishing Plant	L. D. Romine	L. D. Romine
	M-15-37B	241-Z-361 Data/Recommendation	L. D. Romine	S. E. Clarke
11:30 am	ADJOURN	IAMIT begins at 11:30		



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Proposed Changes to Tri-Party Agreement Milestones and Target Dates

(by chronological due date on existing Tri-Party Agreement work schedule)

Number	Description	Date
M-34-15B-T01	Complete remaining bay(s) of the Cold Vacuum Drying Facility construction and installation. The remaining bay(s) of the Cold Vacuum Drying Facility shall be constructed, all process equipment installed, and acceptance tests completed.	Existing: 06/30/2000 Proposed: Deleted
M-34-13B-T01	Complete construction and installation of K East Basin Spent Nuclear Fuel Retrieval System. The K East Basin spent nuclear fuel retrieval system shall be constructed, installed, and acceptance test(s) completed. <i>[Note: No proposed change to target date description.]</i>	Existing: 11/30/2000 Proposed: 03/31/2002
M-34-14B-T01	Complete K East Cask Facility modifications. The K East Cask System Facility modifications shall be constructed, installed, and acceptance test(s) completed. <i>[Note: No proposed change to target date description.]</i>	Existing: 01/31/2001 Proposed: 02/28/2002
M-34-12	Complete construction of K East Basin integrated water treatment system to support spent nuclear fuel removal. The K East Basin integrated water treatment system shall be constructed, installed, and acceptance test(s) completed. <i>[Note: No proposed change to milestone description.]</i>	Existing: 02/28/2001 Proposed: 03/31/2002
M-34-17	Initiate Removal of K East Basin Spent Nuclear Fuel. The K East Basin spent nuclear fuel retrieval system shall begin retrieving, cleaning, packaging and removing spent nuclear fuel for transport to the Cold Vacuum Drying Facility. <i>[Note: No proposed change to milestone description.]</i>	Existing: 11/30/2001 Proposed: 12/31/2002
M-34-18A	Complete Removal of all K West Basin Spent Nuclear Fuel. This interim milestone will be complete when all spent nuclear fuel has been removed. It is understood that additional fuel fragments may be discovered during removal of the sludge. <i>[Note: No proposed change to milestone description.]</i>	Existing: 04/30/2003 Proposed: 12/31/2002
M-34-18B	Complete Removal of all K East Basin Spent Nuclear Fuel. This interim milestone will be complete when all spent nuclear fuel has been removed. It is understood that additional fuel fragments may be discovered during removal of the sludge. <i>[Note: No proposed change to milestone description.]</i>	Existing: 12/31/2003 Proposed: 07/31/2004
M-34-07-T01	Complete final safety basis for the transfer of K Basins sludge. Provide to Ecology and EPA the DOE approved: 1) K-Basin Safety Analysis Report (SAR) update; 2) storage facility SAR or SAR modification; and, 3) Safety Analysis Report for Packaging (SARP) authorizing the transfer of K-Basins sludge.	Existing: 12/31/2003 Proposed: Deleted
M-34-08	Initiate full scale K East Basin sludge removal. DOE shall complete and approve K East sludge removal definitive design documents, all associated construction, and readiness assessments, and initiate removal of sludge from the Basin. <i>[Note: No proposed change to milestone description.]</i>	Existing: 07/31/2004 Proposed: 12/31/2002
M-34-09-T01	Complete K Basins rack and canister removal. All fuel storage racks and empty fuel canisters shall be removed from the K Basins.	Existing: 12/31/2004 Proposed: 01/31/2005
M-34-10	Complete sludge removal from K Basins. Fuel processing in K Basins shall be complete, including the capture of fuel canister sludge in the integrated water treatment system and removal of visible floor and pit sludge.	Existing: 08/31/2005 Proposed: 08/31/2004

This proposed change would allow the SNF Project to integrate sludge and fuel removal activities in order to accelerate the completion of sludge removal from the K Basins. It would also eliminate the overlap in the schedule for fuel removal from the K East and K West basins, thus creating a stable operations work force, i.e., it would eliminate the short-term peak in operations staff that would be necessary if fuel was being removed from both basins simultaneously.

The timing of this change is linked to two recent events. First, RL approved a change request on 02/17/2000, to allow the sludge to be shipped directly to T-Plant for interim storage rather than pre-treating the sludge for transfer to the Office of River Protection's tank farms. RL recently made a decision that the sludge would be designated transuranic waste when removed from the basins (rather than high-level waste), so the sludge will ultimately be disposed at the Waste Isolation Pilot Plant along with other transuranic waste from the Hanford Site. Second, the SNF Project recently made a key design decision regarding the K East Basin Integrated Water Treatment System (IWTS). Large elements of the IWTS will be located in a separate building outside the K East Basin, thereby leaving the North Load Out Bay available for sludge removal. This will allow the sludge removal in the K East Basin to be fully integrated with the spent nuclear fuel removal.

The benefits of the Sludge Acceleration Strategy are:

- Significantly accelerates the start and completion of sludge removal at the Basins
- Stabilizes the work force over the life of the project
- Accelerates the completion of K West fuel movement
- Provides time and opportunity to make modification (if required) to K East fuel removal design, based on operational experience
- Provides an opportunity for accelerating the overall SNF Project completion through the deactivation phase
- Reduces total project cost by approximately \$16 million.

Certain activities on the current schedule would have to be delayed to implement this strategy, as noted on page 2 of this change request. Additional funds would be required for fiscal year 2004, but would still be well within the current total project cost.

In 1998, the SNF Project planned to ship the K Basins sludge to the Office of River Protection's tank farms. The target date M-34-07-T01 was established to ensure the safety basis work for completion of the sludge receiving station at the tank farms was proceeding on schedule. The strategy has now changed and the sludge will be transferred to T-Plant for storage prior to treatment. The safety analysis activities necessary for shipping the sludge to T-Plant will be identified in the SNF Project/T-Plant integrated schedule. There will be SAR revision(s) for T-Plant to address the receipt of the floor/pit sludge and the canister/fuel wash sludge. A revision to the SARP for the transport of the sludge and a SAR revision for the K Basins will also be required. The target date M-34-07-T01 is no longer required to support work at tank farms and is, therefore, proposed for deletion.

The readiness of T-Plant to receive the sludge is an important aspect of this strategy and the necessary interface between senior management and appropriate facility personnel has begun to ensure we are working to an integrated schedule. The RL has prepared a separate Tri-Party Agreement milestone change request for M-91-00, proposing the addition of Tri-Party Agreement milestones and target dates.

Hanford Spent Nuclear Fuel Project



*Briefing on Baseline
Change Request SNF-2000-009*

April 27, 2000

Overview:

Sludge Acceleration Strategy - Why Now?

- FY2000 budget challenges prompted a reevaluation of the Project plan and schedule
- Decision to transfer sludge to interim storage in T-Plant eliminated need for new processing facility and allowed advancement of sludge removal
- KE Integrated Water Treatment System (IWTS) design change, due to various technical factors, moved IWTS filter vessel location to KE Basin annex rather than North Loadout Bay (as in KW). This made KE North Loadout Bay available for concurrent fuel and sludge removal operations
- These enabled advancement of sludge removal, elimination of the overlap of KW and KE fuel removal operations, and completion of fuel and sludge removal from both basins 1 year earlier
 - *Results in earlier reduction of risk to the environment*
 - *Reduces funding needs in the current fiscal year, helps resolve shortfall*



Summary

- Proposed change represents a win-win situation
 - *Reduces risk to the environment by removing fuel and sludge one year earlier*
 - *Frees up funds and reduces risk of stopping or slowing work for lack of funds*
 - *Eliminates overlap in KE/KW fuel removal operations*
 - *Reduces project risk*
 - *No increase in total project cost*
 - *Offers potential for further significant reductions in total project cost*

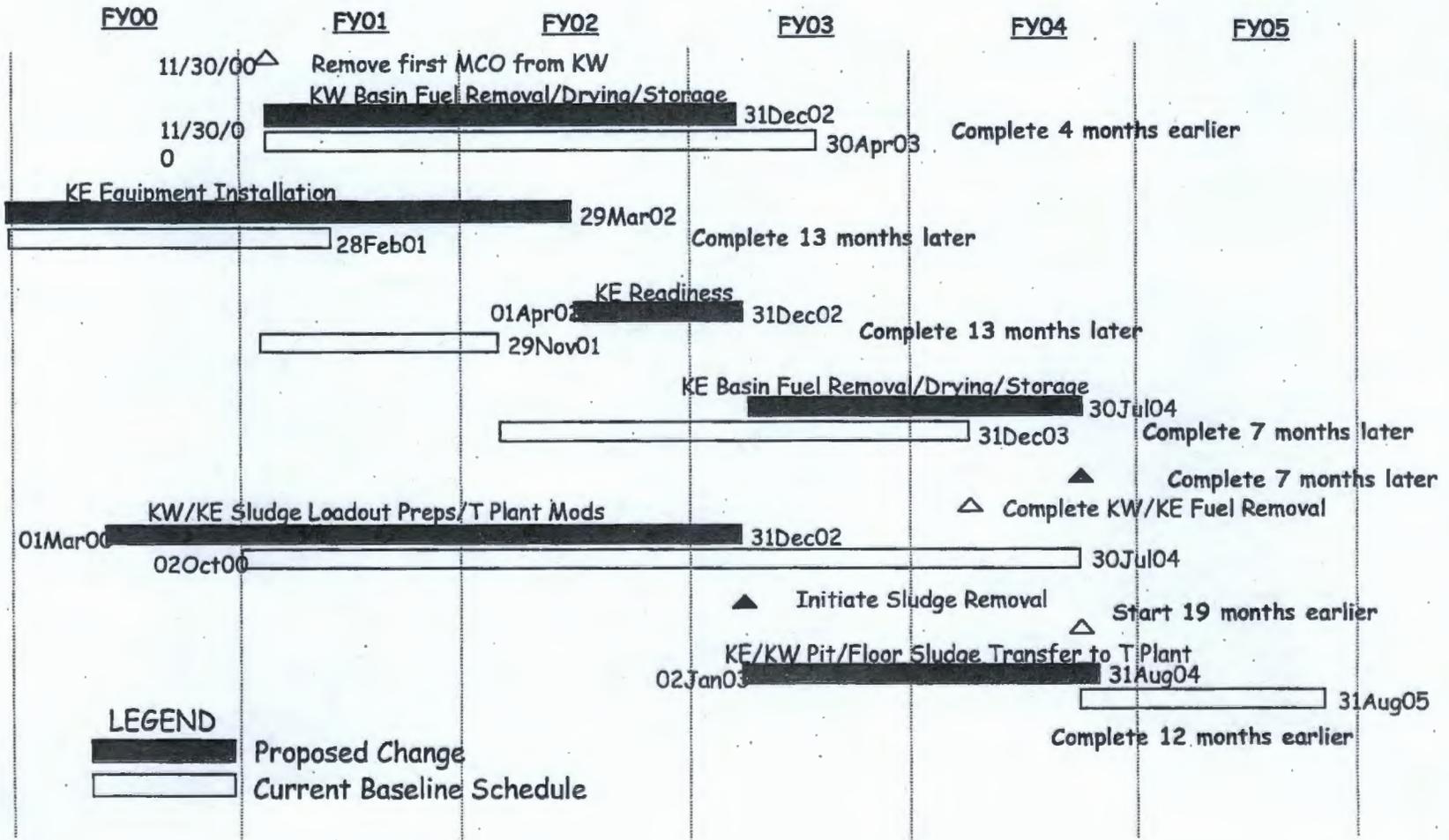


Overview of the Proposed Schedule Changes

- No change to start of KW fuel removal; completion 4 months earlier
- Delay start of KE fuel removal by 13 months to eliminate overlap with KW fuel removal
 - *levels operator staffing*
 - *reduces resources required*
- Advance completion of sludge removal from both KE and KW Basins by 12 months by integrating sludge and fuel removal activities
- Provide an opportunity for future end-point acceleration and associated reduction in total project cost (able to start debris and water removal one year earlier)

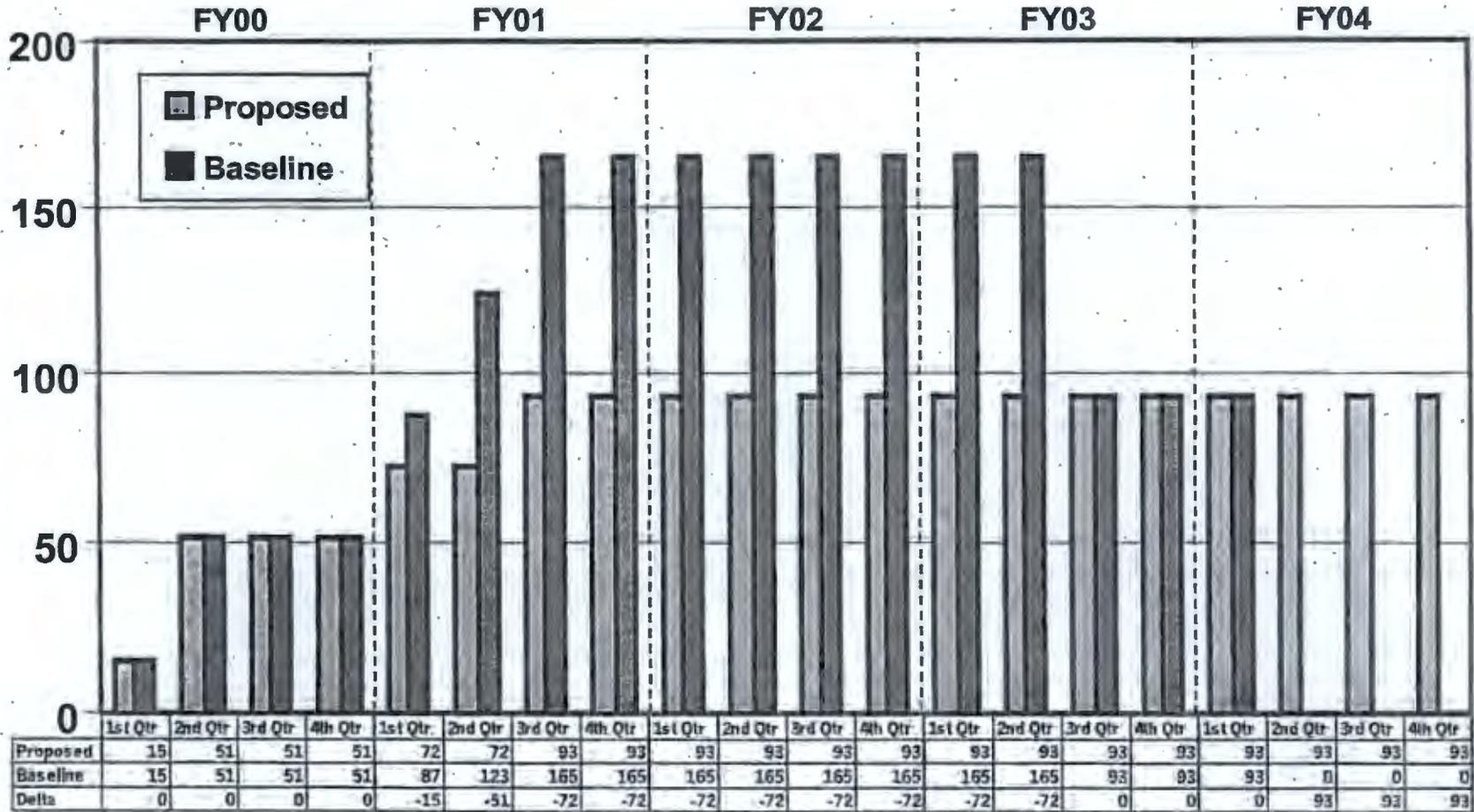


Highlights of Proposed Schedule Changes



Comparison of Staffing Profiles

K Basins NCOs and HPTs



Effect on Hanford Site Budgets

Fiscal Year	2000	2001	2002	2003	2004	2005	2006	2007	2008-10	TOTAL
Spent Fuel WBS WM01			(4.4)	(13.0)	8.9	(7.5)				(16.0)
Waste Mgmt WBS WM04	3.9	2.2	0.2	0.1	3.0	1.3	0.8	0.9	(4.5)	7.9
Net Total	3.9	2.2	(4.2)	(12.9)	11.9	(6.2)	0.8	0.9	(4.5)	(8.1)

Notes:

- All costs in \$Millions
- FHI will provide \$3.9 in FY00 and \$2.2 in FY01 from site-wide cost savings
- Funding changes FY02 and beyond handled via Integrated Priority List



Affected TPA Milestones

<i>TPA Milestone (DNFSB #)</i>	<i>Milestone Description</i>	<i>Current Baseline</i>	<i>Proposed Baseline</i>	<i>Proposed Change</i>
M-34-08	Start KE Sludge Transfer to Treatment System Proposed Title: Initiate full scale KE basin sludge removal	7/30/04	12/31/02	Accelerated 19 months
M-34-09-T01	Complete Removal K Basins racks/canisters	12/31/04	01/31/05	Extended 1 month
M-34-10	Complete Sludge Removal from K Basins	08/31/05	08/31/04	Accelerated 12 months
M-34-12	Complete KE IWTS ATP	2/28/01	03/31/02	Extended 13 months
M-34-13B-T01	Complete KE Basin FRS Construction	11/30/00	03/31/02	Extended 16 months
M-34-14B-T01	Complete KE Cask Facility Mods	01/31/01	02/28/02	Extended 13 months
M-34-15B-T01	Complete remaining bay(s) of the Cold Vacuum Drying Facility construction and installation	6/30/00	--	Deleted
M-34-17	Remove First MCO from KE Basin	11/30/01	12/31/02	Extended 13 months
M-34-18A	Complete KW Fuel Removal	4/30/03	12/31/02	Accelerated 4 months
M-34-18B	Complete Fuel Removal from Basins	12/31/03	07/31/04	Extended 7 months
M-34-07-T01	Complete Final Safety Basis for K Basins Sludge Transfer	12/31/03	-	Deleted



T-Plant Modifications

- Bulk($\sim 45\text{m}^3$)* of the sludge is floor and pit sludge
 - *This will be stored wet in containers on the T-Plant canyon deck or in cells*
 - *Modifications to accommodate this are minor (cleanup of three cells)*
 - *Will require safety assessment, change to authorization basis, and readiness review before receipt of sludge*
- Canister sludge ($\sim 5\text{ m}^3$) will be placed in wet storage at T-Plant after floor and pit sludge removed
- WMI and FHI have coordinated plans and schedules for this work
- T-Plant schedule is an important part of the strategy change, but it is not crucial to its success
 - *Contingency plan is to store containerized sludge in the basins if T-Plant modifications delayed*

*Presume RCRA
Reg - Heavy Metals
TELP Done By
July*

*Best estimate value. Bounding values are higher ($\sim 70\text{m}^3$ total). Difference does not affect strategy



Summary

- Proposed change represents a win-win situation
 - *Reduces risk to the environment by removing fuel and sludge one year earlier*
 - *Frees up funds and reduces risk of stopping or slowing work for lack of funds*
 - *Reduces total project cost and project risk*
 - *Offers potential for further significant reductions*
- Requires changes to TPA milestones
 - *Affects 11 M-34 Milestones*
 - *Four new milestones proposed for M-91*



Hanford Spent Nuclear Fuel Project

Tri-Party Agreement M-34 Milestone Review



Ms. Carole Rodriguez
U.S. Department of Energy,
Richland Operations

April 27, 2000



Tri-Party Agreement (TPA) Milestone Status thru April 27, 2000

<i>TPA Milestone</i>	<i>Description</i>	<i>Due Date</i>	<i>Status</i>
M-34-03	Submit Proposed Plan and Focused Feasibility Study for Remedial Action for the K Basins	11/30/98	Completed 11/20/98
M-34-05-T01	Submit report on quantities, character, and management of K Basins debris	Annual by 5/31	Completed 5/24/99 due 5/31/00
M-34-11-T01	Complete construction of K West Basin Integrated Water Treatment System	6/30/99	Completed 6/21/99
M-34-13A-T01	Complete construction and installation of K West Basin Spent Nuclear Fuel Retrieval System	7/31/99	Completed 9/30/99
M-34-15A-T01	Complete two bays of the Cold Vacuum Drying Facility construction and installation	10/31/99	Completed 10/31/99
M-34-14A	Complete K West Basin Cask Facility Modifications	2/29/00	Completed 2/29/00
M-34-04	Submit Remedial Design Report/ Remedial Action Work Plan for the K Basins	3/31/00	Completed 2/10/00
M-34-15B-T01	Complete remaining bay(s) of the Cold Vacuum Drying Facility construction and installation	6/30/00	Proposed to be deleted (M-34-00-01)
M-34-13B-T01	Complete construction and installation of K East Basin Spent Nuclear Fuel Retrieval System	11/30/00	Proposed to be extended to 3/31/02
M-34-16	Initiate removal of K West Basin Spent Nuclear Fuel	11/30/00	On schedule
M-34-06-T01	Initiate K West Basin spent nuclear fuel canister cleaning operations	12/31/00	On schedule

TPA Milestone Status

- **Milestone M-34-14A “Complete K West Cask Facility modifications. The K West Cask System Facility modifications shall be constructed, installed and acceptance test(s) completed”**
 - ***Status: Completed 2/29/00 (on schedule)***

- **Milestone M-34-04 “The DOE shall submit a Remedial Design Report/Remedial Action Work Plan for the K Basins Interim Action to EPA and Ecology for approval. This Work Plan shall be constrained by these (M-34-98-01A) Agreement milestones and target dates, and shall propose detailed schedules for initiating and completing activities required for the removal of hazardous substances from K Basins (spent nuclear fuel, sludge, debris and water)”**
 - ***Status: Completed 2/10/00 (ahead of schedule)***

- **Milestone M-34-05-T01 “Submit DOE approved annual report on quantities, character, and management (e.g., segregation and management subsequent to removal) of K Basins debris to Ecology and EPA. The final report of this series shall be the one occurring one year after completion of milestone M-34-00A”**
 - ***Status: Due 5/31/00 (on schedule)***



TPA Milestone Status (Continued)

- **Milestone M-34-15B-T01 “Complete remaining bay(s) of the Cold Vacuum Drying Facility construction and installation. The remaining bay(s) of the Cold Vacuum Drying Facility shall be constructed, all process equipment installed, and acceptance tests completed”**
 - ***Status: Proposed to be deleted as part of Sludge Acceleration Strategy***

- **Milestone M-34-13B-T01 “Complete construction and installation of K East Basin Spent Nuclear Fuel Retrieval System. The K East Basin spent nuclear fuel retrieval system shall be constructed, installed, and acceptance test(s) completed”**
 - ***Status: Proposed to be extended to 3/31/02 as part of Sludge Acceleration Strategy***

- **Milestone M-34-16 “Initiate removal of K West Basin Spent Nuclear Fuel. The Cold Vacuum Drying (CVD) Facility and Canister Storage Building (CSB) shall be ready to receive spent nuclear fuel. The spent nuclear fuel transport system shall be operable. The K West Basin spent nuclear fuel retrieval system shall begin retrieving, cleaning, and packaging spent nuclear fuel, and the first Multi-Canister Overpack of spent nuclear fuel will be loaded and transported to the Cold Vacuum Drying Facility for processing”**
 - ***Status: On schedule***



TPA Milestone Status (Continued)

- **Milestone M-34-06-T01 “Initiate K West spent nuclear fuel canister cleaning operations. Canister cleaning operations consist of removal of all contents from each canister and processing of the canisters through the radioactive decontamination apparatus”**
 - ***Status: On schedule***



Significant Accomplishments

- **Completed K West Basin Cask Facility modifications (M-34-14A) on schedule**
- **Installed Immersion Pail in K West Basin CLS** *will be done 4/27*
- **Completed installation of K West MLS gantry**
- **Completed CERCLA RD/RA Report (M-34-04) six weeks early**
- **Developed Sludge Acceleration Strategy, in coordination with T-Plant**
- **All SNF Project Safety Analysis Reports approved by DOE**
- **First 4 MCOs received from manufacturer in New Jersey**
- **Completed welding of all 220 standard storage tubes at CSB; began installation of overpack tubes**
- **Conducted drying test at CVDF (integrated MCO/process PAT, using transporter, cask, and MCO with mock fuel).**
- **Completed sludge handling DQO**



Upcoming Activities

- **PSI Phases 1 & 2 to be complete by early May**
- **Readiness Assessment for PSI Phase 3 to begin mid-May**
- **K Basin Annual Debris Report (M-34-05-T01) due 5/31/00**
- **Completion of first 60 MCO baskets scheduled for 5/19/00**
- **Continuing MCO shipments from manufacturer – 38 MCOs & 200 baskets by 8/31/00**
- **Turnover of CSB and CVDF to Operations over next several weeks**



SNF Project Issues/Concerns

- **Approval of TPA Change Request (M-34-00-01) for Sludge Acceleration Strategy**



Permitting and Regulatory Issues

- None

Non-TPA Regulatory Issues with Potential to Impact TPA Milestones

- None



Hanford Spent Nuclear Fuel Project

**Spent Nuclear Fuel Project
Financial Status thru March
(based on early start schedule)**

\$ in 000s	<u>BCWS</u>	<u>BCWP</u>	<u>ACWP</u>	<u>SCHEDULE VARIANCE</u>	<u>COST VARIANCE</u>	<u>BAC</u>
EXPENSE	\$69,877	\$70,409	\$81,995	\$532	(\$11,587)	\$152,941
CAPITAL EQUIPMENT	7,253	5,587	6,699	(1,667)	(1,112)	18,739
GENERAL PLANT PROJ	184	55	6	(129)	49	530
LINE ITEM	<u>14,068</u>	<u>13,378</u>	<u>15,913</u>	<u>(691)</u>	<u>(2,535)</u>	<u>22,863</u>
TOTAL	\$91,382	\$89,428	\$104,613	(\$1,955)	(\$15,185)	\$195,074
*Adjusted Total Based on Pending CR's	\$98,157	\$98,861	\$104,613	\$704	(\$5,752)	\$193,779

Adjusted Schedule Variance

- Within tolerance.

Adjusted Cost Variance

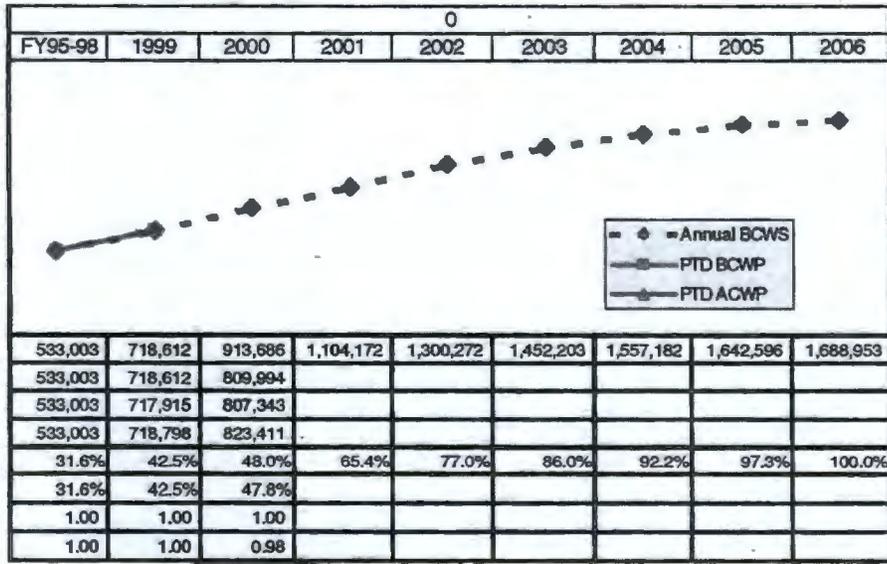
- (66%) CVD engineering and construction testing were underestimated for FY2000.
- (24%) Hanford Site assessments higher than baselined.

* Assumes pending CRs approved/implemented



Hanford Spent Nuclear Fuel Project

SNF Project - Total Project Baseline

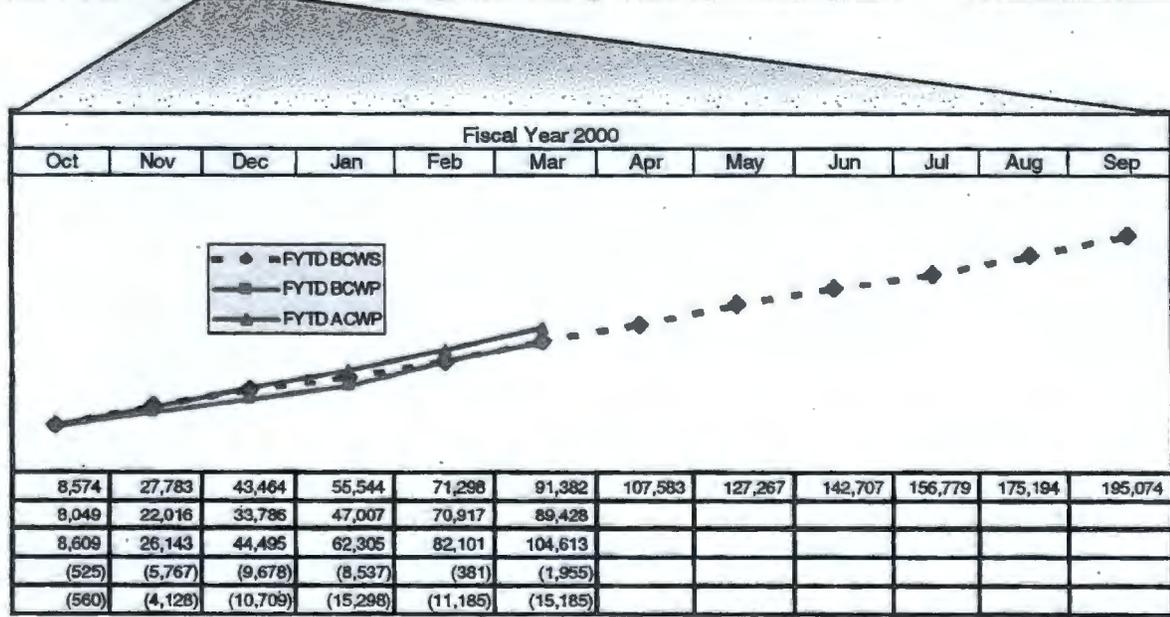


Life Cycle	
*BAC=	1,714,888
EAC=	1,714,888
CV=	0
Trend=	-

*Includes \$25,935 K for FY2007

Year End	
BCWS	195,074
Forecast	-
Delta	195,074

Project to Date	
BCWS=	809,994
BCWP=	807,343
ACWP=	823,411
SV=	(2,651)
CV=	(16,068)



Hanford Spent Nuclear Fuel Project

(\$ IN 000'S)

—FYTD—

EXPENSE:	BCWS	BCWP	ACWP	SCHED VAR	COST VAR	FYTD	FYTD	BAC
						ESTIMATED ACTUALS	ESTIMATED COST VAR	
Project Management and Integration	11,196	11,180	14,277	(17)	(3,097)	14,277	(3,097)	27,845
Site Wide SNF Projects (327 Fuel Transfer)	0	0	41	0	(41)	41	(41)	0
Project Mgmt. and Integration (Project Fee)	3,910	3,908	5,278	(2)	(1,371)	5,278	(1,371)	8,210
* K Basins Maint. and Oper. (Through F.M.)	13,937	13,931	15,940	(5)	(2,008)	15,739	(1,807)	29,136
K Basin Project Support	637	637	770	(0)	(133)	770	(133)	776
* K Basins Facility Projects (Des/ Mod/ Const)	3,012	3,012	3,183	(0)	(171)	3,183	(171)	5,035
* Fuel Retrieval Project (Des/ Mod/ Const)	4,453	4,359	4,372	(93)	(13)	4,643	(284)	9,280
* Water Treatment (Des/ Mod/ Const)	533	533	917	(0)	(384)	1,028	(495)	959
* Debris Removal Project (Des/ Mod/ Const)	759	759	609	(0)	150	609	150	1,684
* MCO Acquisition (Des/ Mod/ Const)	7,076	8,608	9,667	1,532	(1,059)	9,667	(1,059)	14,535
Cask Transportation System (Des/ Mod/ Const)	601	594	422	(7)	172	467	127	683
* K Basin Cold Vacuum Facility (Des/ Mod/ Const)	1,219	1,220	5,730	1	(4,509)	6,128	(4,907)	1,868
Debris Removal Project. (During F.M.)	0	0	0	0	0	0	0	21
* SNF Relocation Common Operations	13,865	13,517	15,297	(348)	(1,780)	15,297	(1,780)	30,287
* K Basin CVD Facility (Operations)	2,621	2,688	1,115	67	1,573	1,115	1,573	7,190
Sludge Removal Project (Des/ Mod/ Const)	0	0	3	0	(3)	3	(3)	0
Sludge Treatment Project (Des/ Mod/ Const)	0	0	0	0	(0)	0	(0)	0
Transition Project Management	119	119	120	(0)	(2)	120	(2)	249
* Acquire Systems for Facility Deactivation	1,324	1,502	1,390	179	112	1,390	112	3,122
* Canister Storage Bldg. Facility (Des/ Mod/ Const)	954	956	1,262	2	(305)	1,368	(411)	1,962
* Canister Storage Building Operations	2,375	2,374	1,065	(1)	1,309	1,065	1,309	6,861
* Site Wide SNF (Des/ Move Fuel to 200 ISA)	<u>1,286</u>	<u>511</u>	<u>538</u>	<u>(775)</u>	<u>(27)</u>	<u>538</u>	<u>(27)</u>	<u>3,239</u>
SUBTOTAL EXPENSE	69,877	70,409	81,995	532	(11,587)	82,725	(12,317)	152,941
CAPITAL EQUIPMENT:								
* K Basins Facility Projects (Des/ Mod/ Const)	3,254	2,679	2,846	(575)	(167)	2,846	(167)	6,382
* Water Treatment (Des/ Mod/ Const)	2,365	1,282	2,732	(1,083)	(1,451)	2,732	(1,451)	10,356
* SNF Relocation Common Operations	811	803	722	(8)	82	722	82	811
* Canister Storage Bldg. Facility (Des/ Mod/ Const)	<u>823</u>	<u>823</u>	<u>399</u>	<u>(0)</u>	<u>424</u>	<u>399</u>	<u>424</u>	<u>1,190</u>
SUBTOTAL CAPITAL EQUIPMENT	7,253	5,587	6,699	(1,667)	(1,112)	6,699	(1,112)	18,739
GENERAL PLANT PROJECTS:								
* Site Wide SNF (200 ISA Des/ Const)	<u>184</u>	<u>55</u>	<u>6</u>	<u>(129)</u>	<u>49</u>	<u>6</u>	<u>49</u>	<u>530</u>
SUBTOTAL GENERAL PLANT PROJECTS	184	55	6	(129)	49	6	49	530
LINE ITEM:								
Project Management and Integration	0	0	2	0	(2)	2	(2)	977
* K Basin Cold Vacuum Facility (Des/ Mod/ Const)	6,757	6,565	9,825	(193)	(3,261)	9,427	(2,863)	10,886
* Canister Storage Bldg. Facility (Des/ Mod/ Const)	<u>7,311</u>	<u>6,813</u>	<u>6,085</u>	<u>(498)</u>	<u>728</u>	<u>5,552</u>	<u>1,261</u>	<u>11,000</u>
SUBTOTAL LINE ITEM	14,068	13,378	15,913	(691)	(2,535)	14,982	(1,604)	22,863
TOTAL SNF PROJECT	91,382	89,428	104,613	(1,955)	(15,185)	104,412	(14,984)	195,074

* Detailed information contained in this report.

SNF Project Financial Status thru March



**M-20 MILESTONE STATUS
PERMITS AND CLOSURE PLANS**



**Ellen Mattlin
U.S. Department of Energy, Richland Operations Office
Office of Site Services**

April 27, 2000

**ACCOMPLISHMENTS
(last 3 months)**

◆ Closure Plans

- ◆ Closure activities for the 616 Nonradioactive Dangerous Waste Storage Facility (NRDWSF) are pending. The closure plan for the 616 NRDWSF is included in Modification E of the Permit.

ACCOMPLISHMENTS (last 3 months)

Part A's:

- ◆ DOE submitted the following revised/new Hanford Facility Dangerous Waste Part A, Form 3, permit application documentation:
 - ◆ 216-B-3 Main Pond, Rev. 6
 - ◆ Plutonium Finishing Plant (PFP) Treatment Unit, Rev. 1

ACCOMPLISHMENTS (last 3 months)

Part B's:

- ◆ DOE submitted revised working draft (Rev. 0A) of the Double-Shell Tank (DST) System Part B permit application to Ecology in support of planned permitting workshops (12/28/99)

ACCOMPLISHMENTS (last 3 months)

◆ Hanford Facility RCRA Permit

- DOE submitted to Ecology Quarterly Class 1 modification packages in accordance with Permit Condition I.C.3 (1/10/00, 4/10/00)
- DOE submitted annual noncompliance report to Ecology (2/29/00)
- Ecology issued final modification decision and responsiveness summary for transfer of corrective action authority from the EPA to Ecology, Revision 6 of the Permit (3/28/00), the Permit will become effective on April 28, 2000, unless a review or an evidentiary hearing is requested (WAC 173-303-840(8))

*Appealing CA
Portion for
US Ecology.*

PLANNED ACTION (next 6 months)

Closure Plans

- ◆ DOE and Ecology continue closure activities and/or discussions associated with the following units:
 - ◆ 616 NRDWSF
 - ◆ 2401-W Storage Building (partial closure of Central Waste Complex [CWC]): included in Modification E package
 - ◆ 221-T T Plant Canyon Tank System
 - ◆ 303-K Storage Facility
- ◆ DOE and Ecology establish closure strategy for the 1706-KE Waste Treatment System
- ◆ DOE and Ecology establish closure strategy for the 221-T Tank System

PLANNED ACTION (next 6 months)

Part A

- ◆ DOE and Ecology resolve issues associated with submittal of the following Part A Permit Application, Form 3s:
 - ◆ Waste Encapsulation and Storage Facility (WESF), Revision 0
 - ◆ Mixed Waste Disposal Units (MWDUs), Revision 12 formerly known as Low-Level Burial Grounds (LLBG)
 - ◆ 241-Z Storage and Treatment Tanks, Revision 6
 - ◆ T Plant Complex, Revision 8

PLANNED ACTION (next 6 months)

◆ Part B

- ◆ DOE and Ecology continue efforts associated with NOD *ADD F* resolution for the 222-S Laboratory Complex Part B permit application, Revision 1, for inclusion in Modification F (2000) of the Permit
- ◆ DOE and Ecology begin efforts associated with NOD resolution for the DST System Part B permit application (Revision 0A) for inclusion in Modification G (2001) of the Permit
- ◆ DOE submit working draft (Revision 0A) of T-Plant Part B permit application for inclusion in Modification H (2002) of the Permit (6/00)
- ◆ DOE submit working draft (Revision 0A) of MWDUs Part B permit application for inclusion in Modification H (2002) of the Permit (6/00)

PLANNED ACTION (next 6 months)

◆ Hanford Facility RCRA Permit

- ◆ DOE submit Quarterly Class 1 Modification packages to Ecology in accordance with Permit Condition I.C.3 (7/10/00, 10/10/00)
 - ◆ DOE complete semi-annual sitewide inspection (banks of the Columbia River) (4/00)
 - ◆ Ecology issues final modification decision and responsiveness summary for Modification E of the Permit (6/00), the Permit is effective within 30 days
 - ◆ DOE submit certified (final) permit application to Ecology for units being included in Revision 7 of the Permit, Modification F (07/05/00) (e.g., 222-S Laboratory Complex and Attachment 33, General Information)
-

PLANNED ACTION (next 6 months)

◆ Interim Status Requirements

- ◆ DOE and Ecology begin discussions on implementation of interim status requirements at WESF
 - ◆ DOE and Ecology begin discussions on K-Basin sludge storage strategy at T Plant Complex
-

ISSUES

◆ **Concerns:**

- ◆ DOE's opinion is that outstanding issues associated with the proposed Draft Permit (issued 10/99) are affecting the Permit revision process. These issues could impact the schedule for future Permit modifications (Modifications F and G)





Milestone TPA-M-89

IAMIT Meeting April 27, 2000
Tri-Party Agreement Milestone
Status Report

Ecology Project Manager - AB Stone
DOE-RL Program Manager - DW Templeton
FH Environmental Sponsor - JM Barnett

River Corridor Project

324 Facility Stabilization

Active Milestone Overview

Milestone M-89-00 Interim Milestones and Target Dates

Milestone	Description	Target Date	Status
M-89-00	Complete closure of non-permitted mixed waste units in the 324 Building REC B-Cell, REC D-Cell, and the High-Level Vault.	10/31/05	In progress
M-89-02	Complete removal of 324 Building REC B-Cell MW and equipment.	11/30/00	In progress

River Corridor Project

32 Facility Stabilization

Program Manager's Assessment

Since last quarterly review

Environmental - Excellent

All activities related to completion of the M-89 milestone have been conducted in compliance with environmental regulations. No adverse impacts to the environment have occurred.

Safety - Excellent

All activities related to completion of the M-89 milestones have been conducted safely during the most recent quarter. Cutting operations, crane repairs, steam system repairs, and airlock entries have all been conducted safely.

Cost - Excellent

The first six months of FY00 finds overall B-Cell activities tracking within the current authorized funding. Current minor cost variances are attributed to expense required in schedule recovery and equipment repairs.

River Corridor Project

3-82 Facility Stabilization

Program Manager's Assessment

Since last quarterly review

Schedule - Marginal

A revised Project Management Plan was issued in January, that defines a revised logic path to completion of Milestones M-89-02, due in 11/00, and M-89-00, due in 2005. In accordance with the revised PMP, B-Cell is on schedule for completion of milestone TPA-M-89-02 by November 30, 2000. Emphasis is being placed on Rack 2A removal, equipment size reduction, and maintaining equipment operable.

TRU/LLW classification of grout containers has been resolved and grout container shipments have now been initiated. To date, four of the seventeen scheduled 3-82B shipments have occurred.

Current critical path schedule to M-89-02 shows 1 day positive float.

River Corridor Project

324 Facility Stabilization

Significant Accomplishments

Since last Quarterly review

M-89-02

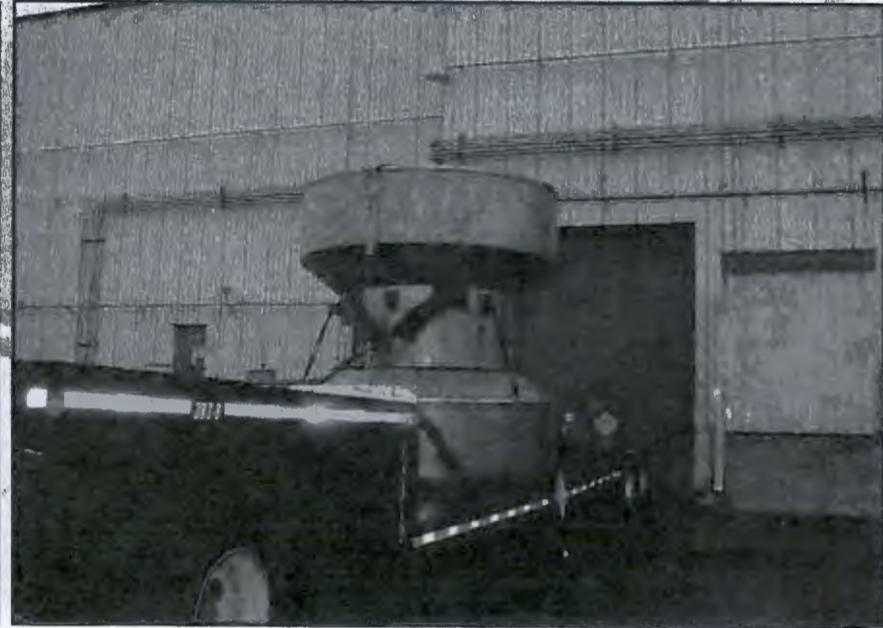
- 2A Rack size reduction was completed: the rack pieces, and associated waste, have been packaged in preparation for shipment to burial.
- Fabrication of the 22-T waste boxes has been initiated. Schedule delivery to start by the end of April.
- Shipment of four TRU grout containers has been completed.
- Dose profiling of 2A Rack grout containers has been initiated with currently two of six containers profiled.
- Completed repair of the 30-ton crane, the A Cell crane, and the B Cell crane door. Repair of the 30-ton crane was completed, returning the crane to full service.
- Continued negotiations with SNF Program regarding alternative packaging for the SNF in B-Cell.
- An upgraded SEP for the 3-82B Shipping Cask to accommodate latest dose profiling information was released.
- Procurement of the ASTD robotics system from Cybernetics is ongoing with design/fabrication activities being performed. 324 Facility receipt date is scheduled for late September 2000.
- Completed and issued Rev 3 to the 324/327 Stabilization/Deactivation Project PMP.

River Corridor Project

324 Facility Stabilization



Hot Cell Technicians Ron Holeman and Mark Culverhouse use the 324 Building 30-ton crane to lower the grout container cask onto a shipping truck. The grout container is filled with remnants of the 1A Rack from B-Cell, the largest and most contaminated cell within the 324 Building. Hot Cell Operations Manager, Dave Jenkins, checks to see if the load is centered before final placement.



Grout Container #136, full of 324 Building's B-Cell rack remnants, is loaded into this 56,000-ton cask assembly and ready for shipment to the Low-Level Burial Grounds in the 200 Area. The shipment, sent out on March 22, 2000, is the first of a 17-shipment campaign in support of a Tri-Party Agreement interim milestone to clean out B-Cell by November 2000.

River Corridor Project

324 Facility Stabilization



Dispersible Removal System (DRS) used to remove dispersible materials from the B-Cell floor, sump and trench.



The DRS comes with various end-effectors. These include the needle scaler, rotating wire brush and vacuum system to containerize dispersibles.

River Corridor Project

324 Facility Stabilization

Significant Planned Actions

Next Three Months

M-89-02

- Continue shipping grout containers to LLBG for storage/disposal.
- Continue fabrication of 22 ton waste boxes.
- Continue ASTD Remote/Robot Work Platform fabrication.
- Receive DRS equipment to collect B-Cell dispersible material.
- Procure/fabricate additional 3-82B liners and grout containers.
- Perform size reduction and removal of miscellaneous items from B-Cell.
- Continue to stage full grout containers in A-Cell.
- Containerize B-cell floor dispersible materials.
- Segregate the three PNNL legacy MW grout containers.

River Corridor Project

320 Facility Stabilization

Issues

Issue:

Progress in meeting M-89-02 requires continued outyear funding to support activities.

Status:

- FHI has covered FY-2000 \$1.2M shortfall with identified efficiencies
- IPL dated 4/10/00 shows funding in FY01 to meet M-89-02 commitments
- IPL dated 4/10/00 supports funding in FY02 to meet M-89-00 requirements

• Conclusion: Issue has been closed

Issue:

Progress towards completion of M-89-02 continues to lag behind schedule.

Status:

- Revision 3 of PMP resequenced tasks to demonstrate successful path to meet milestone
- Waste shipments have been resumed
- 2A Rack size reduction has been completed

• Conclusion: Issue has been closed.

River Corridor Project

3rd Property Stabilization

Project Summary

- Work continues to progress in accordance with the revised PMP (Rev. 3) and will accomplish M-89-02 by 11/30/00, and M-89/00 by 10/31/05 in accordance with their scheduled due dates.

River Corridor Project

Nuclear Material Manufacturing Stabilization

Milestone TPA-M-92

IAMIT Meeting April 27, 2000
Tri-Party Agreement Milestone
Status Report

Ecology Program Manager - AB Stone
DOE-RL Program Manager - RA Pressentin
FH Environmental Sponsor - JM Barnett

River Corridor Project

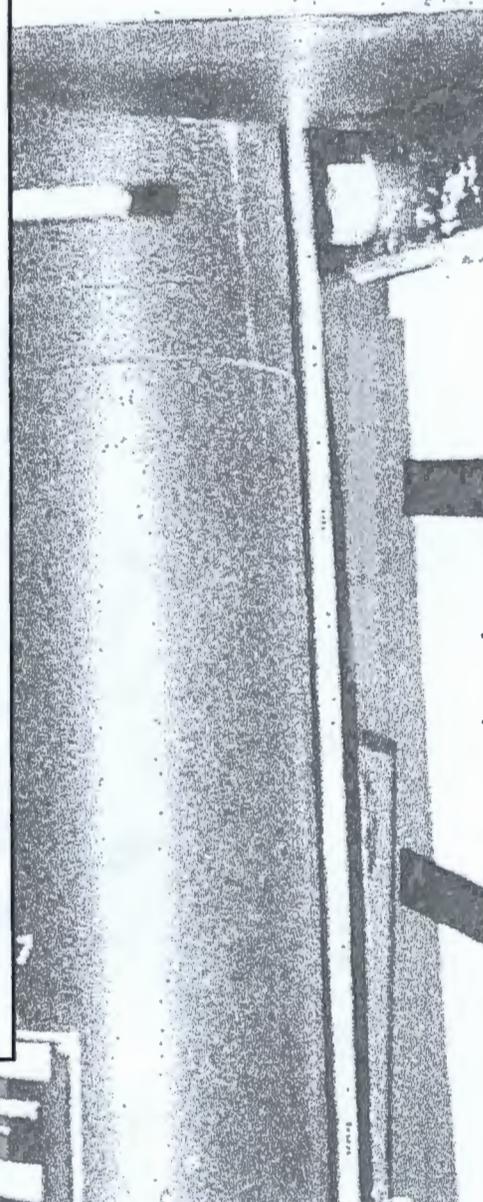


Nuclear Waste Packaging Stabilization

Milestone M-92-00 Interim Milestones and Target Dates

Milestone	Description	Target Date	Status
M-92-00	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford Site cesium and strontium capsules (Cs/Sr), bulk sodium (Na), and 300 Area special-case waste (SCW).	TBD	TBD
M-92-01	Complete commercial disposition and/or acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for sitewide consolidation, and storage prior to commercial use, or treatment and/or repackaging by DOE TWRS.	12/31/09	On schedule
M-92-05	Inclusion of Hanford Site Cs/Sr "treatment and/or repackaging parameters" in DOE TWRS Phase II Request for Proposals (treatment and/or repackaging of all remaining Cs/Sr).	6/30/03	On schedule
MX-92-06-T01	Complete commercial disposition and/or the acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal/disposition of all Hanford Site UU.	12/31/00	In progress
M-92-09	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal of Hanford Site sodium.	In abeyance	On hold
M-92-10	Submit Hanford Site Sodium Project Management Plan (PMP) to Ecology pursuant to Agreement Action Plan Section 11.5.	In abeyance	On hold
MX-92-11-T01	Complete disposition options for all Hanford non-radioactive sodium.	3/31/02	On hold
M-92-12	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for consolidated storage prior to disposal of Hanford Site 300 Area special-case waste (SCW).	9/30/06	On schedule
M-92-13	Submit 300 Area SCW PMP to Ecology pursuant to Agreement Action Plan, Section 11.5.	9/30/00	Submitted 3/28/00
M-92-14	Complete removal and transfer, and initiate storage of Phase I 300 Area SCW waste and materials. Phase I inventory will consist of, at minimum, one-third the total curie content of all 300 Area SCW.	9/30/02	Submitted 3/28/00
M-92-15	Complete removal and transfer, and initiate storage of Phase II 300 Area SCW waste and materials. Phase II inventory will consist of, at minimum, half of the remaining curie content of 300 Area SCW waste and materials.	9/30/04	On schedule
M-92-16	Complete removal and transfer and initiate storage of Phase III 300 Area SCW and materials.	9/30/06	On schedule

River Corridor Project



Nuclear Waste Contracting Stabilization

Program Manager's Assessment

Since last quarterly review

Environmental - Excellent

No negative environmental impacts or issues have arisen out of the storage and/or handling, packaging, or transportation of the Special Case Waste (SCW) inventory.

Safety - Excellent

No negative safety impacts or issues have arisen out of the storage and/or handling, packaging, or transportation of the Special Case Waste inventory.

Cost - Excellent

Key Milestone M-92 activities are being completed within budget.

River Corridor Project

Nuclear Fuel Cycle Facility Stabilization

Program Manager's Assessment

Since last quarterly review

Schedule - Excellent Items

- M-92-01: Capsules dispositioned as feedstock for Vitrification Plant during Phase II operations. Shipments planned from 2013 - 2017.
- M-92-05: The Phase 1 Tank Waste Treatment Plant under the Office of River Protection (ORP) is being designed such that an annex for processing cesium and strontium capsules could be incorporated later with minimal impact. The ORP baseline still assumes disposal of the capsules in Phase 2 in accordance with milestone M-92-05.
- M-92-09 and -10: Sodium Disposition items are on-hold pending a decision regarding future missions at the FFTF. The due dates for these milestones have been changed to "in abeyance."
- M-92-13: The 300 SCW PMP was submitted to Ecology on 3/28/00, 6 months ahead of schedule.
- M-92-14: The shipment of Phase I SCW materials was completed, with documentation to support that conclusion included in the PMP and letter to Ecology dated 3/28/00.

River Corridor Project

Nuclear Fuel Cycle Packaging Stabilization

Program Manager's Assessment

Since last quarterly review

Schedule - Concern Item

MX-92-06-T01

- Uranium trioxide powder (T-hoppers) and fuel billets disposition discussions between Oak Ridge (Portsmouth, OH) and Hanford are continuing. Tentative start of shipments from Hanford to Oak Ridge is June 2000. At this time Hanford is expected to only ship approximately 50% of the Uranium inventory to Oak Ridge.
- The Safety Analysis Report for Packaging (SARP) modification for Uranium billets is still at DOE-HQ for review. It is expected to be completed sometime in May 2000.
- Alternative disposition paths are being explored for the Uranium fuel inventory.
- There are several hurdles facing this project:
 - If a FONSI to the Hanford EA is not issued by 4/28/00, then the project is in jeopardy of not meeting the milestone.
 - Hanford cannot publish its FONSI until Oak Ridge submits a Notice of Intent.
 - This is a FH super stretch performance incentive. If not enough funding is found to execute the disposition the milestone is in jeopardy.
 - If the SARP is not approved by DOE-HQ by 5/31/00, then billets cannot be shipped to Portsmouth before 9/30/00.

River Corridor Project

Nuclear Waste Management Stabilization

Significant Accomplishments

Since last Quarterly Review

MX-92-

11-T01 Sodium residue was removed from the last of the tanks which had been moved from 221-T Building.

MX-92-

06-T01 Completed public review of the EA on 2/22/00 after a 30-day extension for public comment. Initiated comment disposition and conducted a uranium market review with commercial uranium vendors to determine marketability of Hanford Unirradiated Uranium. The fuel material is out-of-spec for commercial reactor use. At present the uranium market is flooded and there is no market for this material in the next 10 years.

M-92-13

The SCW Project Management Plan (HNF-5068, Rev. 1) was issued by FHL. RL comments were incorporated and the document was sent to Ecology on 3/28/00. Done.

- This does NOT have a change request.

M-92-14

Milestone completed based on SCW PMP submission to Ecology on 3/28/00. Done.

M-92-00

Reevaluated the Draft M-92 Memorandum of Agreement responsibilities due to DOE-RL restructuring.

MOA Has Been Issued

River Corridor Project

Nuclear Fuel Reprocessing Facility Stabilization

Significant Planned Actions

Next Three Months

MX-92-06-T01

- Finalize the EA
- Begin shipments of the T-hoppers and billets to Portsmouth (pending EA outcome)
- Determine the path forward for the remaining fuel inventory with EPA and Ecology
- If the FONSI is obtained, funding is found, and if the SARP is approved, then shipping to begin in June 2000.

M-92-11-T01

- Initiate cleaning of the residual sodium-potassium (NaK) alloy from the 337 B High Bay Building cold trap cooling system using the water vapor-nitrogen process.

M-92-13

- Waiting for Ecology concurrence.

M-92-14

- Waiting for Ecology concurrence.

M-92-15 and 16

- Continue to package legacy waste buckets within the 327 Building hot cells and ship the waste buckets to storage in the 200 Waste Area.

River Corridor Project

Nuclear Plant Containment Stabilization

Project Summary

The near-term milestones are being completed on or ahead of schedule.

M-92-06-T01 (non-enforceable): In jeopardy considering hurdles to overcome.

M-92-13, -14: Done. *at Nat about PMP*

M-92-15, -16: On schedule.

River Corridor Project

Nuclear Material Stabilization Project

Plutonium Finishing Plant Stabilization Project

**Milestone
TPA-M-83**

**IAMIT Meeting April 27, 2000
Tri-Party Agreement Milestone
Status Report**

**Ecology Project Manager - A Stone
DOE-RL Program Manager - LD Romine
FDH Environmental Sponsor - AM Hopkins**

Plutonium Finishing Plant

Nuclear Material Stabilization Project Program Manager's Assessment

◆ **Environmental:**

- ▲ The Project obtained the following permit and environmental document approvals during the assessment period:
 - Radioactive Air Emissions Notice of Construction for the Magnesium Hydroxide Precipitation Process at the Plutonium Finishing Plant, DOE/RL-99-77.
 - Supplement Analysis for Project W-460, Plutonium Finishing Plant Stabilization and Packaging System, 200 West Area, Hanford Site, Richland, Washington, DOE/EIS-0244-FS/SA3
 - RCRA Part A Permit Application, Form 3, for the Plutonium Finishing Plant Treatment Unit (T-2-8)

◆ **Safety:**

- ▲ PFP emergency preparedness and drill programs continue to improve through outstanding critique process and implementation of lessons learned.
- ▲ Safety performance continues to be a concern. Four OSHA recordable injuries occurred during the report period.

Plutonium Finishing Plant

Nuclear Material Stabilization Project Program Manager's Assessment

◆ Cost and Schedule:

- ▲ The NMS project schedule variance is unfavorable for all functional areas except Maintain Safe & Secure Vaults, and Transition (Tank 241-Z-361), which are ahead of schedule. The unfavorable schedule variance is due primarily to Project W-460 capital activities, such as the elimination of trailers & vault modification design not yet started; the behind schedule status on infrastructure projects, such as criticality alarm panel and radiation constant air monitor upgrades; and the behind schedule status on solution stabilization construction and startup activities. The project is significantly ahead of schedule on oxide stabilization with 209 items stabilized through March (149% of FY2000 goal). Corrective actions are being worked to recover schedule in all areas (no long term impact anticipated).
- ▲ The cost performance through March is insignificant (<\$94K>) but has crossed over from favorable to unfavorable now that staff vacancies are being filled and contract costs are catching up to actual on board contract staff.

Plutonium Finishing Plant

Nuclear Material Stabilization Project

Major Accomplishments

◆ Pu Oxides and Metals Stabilization

- ▲ Completed installation and startup of three additional stabilization furnaces more than two months ahead of schedule.
- ▲ Completed stabilization of 52 items in storage
- ▲ Completed preliminary conceptual design for installation of a BTS to be installed in the 234-5Z facility (This is in addition to the one being installed in ZB.)
- ▲ Completed preliminary conceptual design for installation of a Supercritical Fluid Extraction (SFE) system for moisture measurement in oxides
- ▲ Completed design and started construction for an additional Loss on Ignition (LOI) furnace for moisture measurements in stabilized oxides



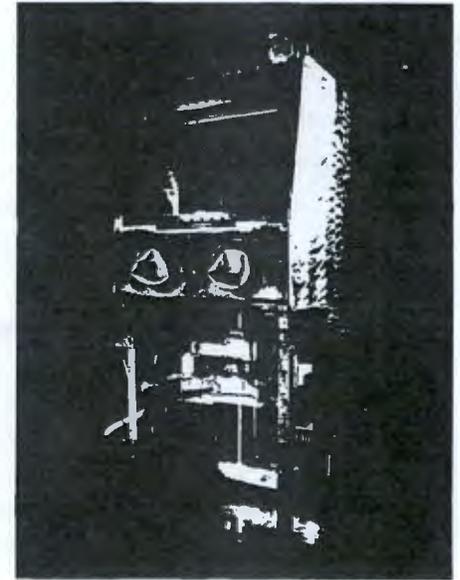
Plutonium Finishing Plant

Nuclear Material Stabilization Project

Major Accomplishments (cont'd)

◆ **W-460**

- ▲ Bagless Transfer System (BTS) glovebox design finalized
- ▲ BTS has been fabricated; preliminary checkout ongoing (Scheduled for Acceptance Testing in May)
- ▲ Funds allocated and sent to WSRC for another BTS for installation in 234-5Z
- ▲ Fire Hazard Analysis nearly complete
- ▲ Preliminary Safety Analysis Report nearly complete
- ▲ NEPA SA approved
- ▲ NOC submitted to DOH; additional information being prepared for transmittal to DOH
- ▲ Stabilization and Packaging Equipment (SPE) design nearly complete
- ▲ Facility Modification Design nearly complete



Plutonium Finishing Plant

Nuclear Material Stabilization Project

Major Accomplishments (cont'd)

◆ Residues Stabilization

- ▲ Radiological and Non-Radiological Air Permitting Activities are complete.
- ▲ Supplemental NOI for revising the dangerous waste storage locations at PFP has been released by DOE-RL for public review.
- ▲ Part A revision for adding Ignitability waste number has been submitted to Ecology.

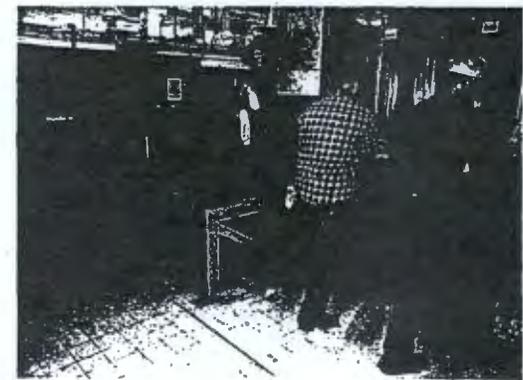
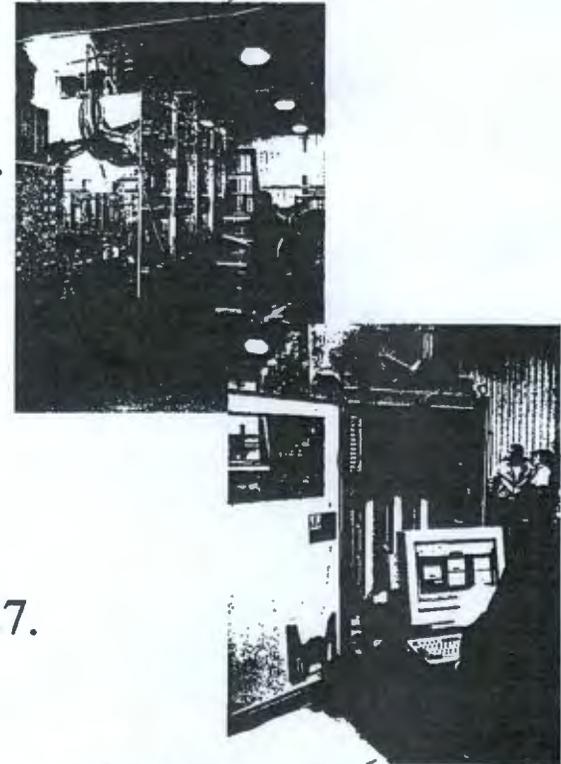
Plutonium Finishing Plant

Nuclear Material Stabilization Project

Major Accomplishments (cont'd)

◆ Plutonium Bearing Solutions Stabilization

- ▲ Completed ATP and functional testing of process equipment (GB#3 and control panel) at vendor site.
- ▲ Provisionally certified 5 operators on the $Mg(OH)_2$ process during testing at the GB vendor site.
- ▲ Completed installation of seismic supports in Room 227.
- ▲ Plan of Action of the ORR was issued for final internal review and informal review by DOE-RL
- ▲ Phase I testing by PNNL continues with surrogate solutions and download of solutions from Room 227.
- ▲ Accelerated delivery of process gloveboxes and equipment
- ▲ Detailed construction schedule developed by Fluor Federal Services.
- ▲ Obtained DOE-RL concurrence on the criteria document for the safety analysis
- ▲ Conducted an informational training session with Solutions Handling Team on January 27, 2000



Plutonium Finishing Plant

Nuclear Material Stabilization Project

Planned Accomplishments

◆ **Pu Oxides and Metals Stabilization**

- ▲ Continue stabilization activities
- ▲ Complete installation of the additional LOI furnace
- ▲ Complete installation of the additional BTS
- ▲ Complete installation of the SFE equipment

◆ **W-460**

- ▲ Assemble BTS and BTS glovebox in warehouse to facilitate operator training - later install in 2736-ZB or 234-5Z
- ▲ Procure and install SPE gloveboxes and components in the 2736-Z Complex
- ▲ Complete facility modification
- ▲ Have vault design approved, begin modification of vault to safely store the 3013 packages
- ▲ Assemble training packages, certify Operators to run SPE
- ▲ Assemble Operating and Maintenance procedures, and walk through prior to startup
- ▲ Provide approved safety documentation prior to startup

Plutonium Finishing Plant

Nuclear Material Stabilization Project

Planned Accomplishments (cont'd)

◆ **Residues Stabilization**

▲ **Cementation**

- DQO Process to determine if additional characterization of SS&C is needed to support process improvements.
- MOU between PFP and Waste Management to define requirements and responsibilities to support CWC and WIPP acceptance of packaged residues.

*INTERNAL
DOE DQO*

▲ **Pipe-n-Go**

- Revised NOI and revised Part A to provide permitted storage at PFP.
- Rad and Non-Rad Air Permit Reviews to support Pipe-n-Go.
- Supplemental Analysis to support Pipe-n-Go of ash.
- Study to evaluate residues other than ash for disposition via Pipe-n-Go.

◆ **Plutonium Bearing Solutions Stabilization**

- ▲ Continue with accelerated construction activities
- ▲ Complete installation of the gloveboxes in room 230-C
- ▲ Finalize the ORR Plan of Action and draft Startup Plan, including the AB Startup Review Checklists
- ▲ Initiate installation of the shielding support structure, process piping, and electrical.
- ▲ Continue joint PPSL/ PNNL development testing to support the $Mg(OH)_2$ process.

Plutonium Finishing Plant

Nuclear Material Stabilization Project

Baseline Performance

(Against the PFP MYWP)

- ◆ **Issue:** Cementation and solution stabilization startups, scheduled for April and July respectively, are over two months behind schedule. Furthermore, $\text{Mg}(\text{OH})_2$ precipitation process construction activities are exceeding planned costs.
- ◆ **Impact:** Failure to commence solution stabilization and Cementation activities on schedule can delay overall stabilization progress impacting both cost and schedules in FY 2001.
- ◆ **Corrective Action:** An aggressive catchback plan has been developed for both solution stabilization and Cementation activities to commence operations in September and July, respectively. Plans are also in place to stabilize solutions and residues exceeding baseline commitments even with a late processing start. Funds management controls are being developed to maintain overall costs within authorized funding.

Plutonium Finishing Plant