



Section C:1

Nuclear Material Stabilization

PROJECT MANAGERS

P.M. Knollmeyer, RL
(509) 376-7435

G.W. Jackson, FH
(509) 373-6622

SUMMARY

The Nuclear Material Stabilization mission consists of the Plutonium Finishing Plant (PFP), WBS 1.4.5 and 1.4.6.1. (PBS TP05 & TP12)

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of July 31, 2000. All other information is as of August 25, 2000 unless otherwise stated.

As of August 18, 2000 a total of 477 cans of Plutonium oxides and sludge were stabilized through thermal stabilization. (160 additional items since last report) This increase in throughput was achieved by modifying the Loss On Ignition testing method.

Through August 23, 2000, there have been 265 calendar days without a lost workday injury.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that four of eleven milestones (37 percent) were completed on or ahead of schedule, two were completed late (18 percent), and five (45 percent) are overdue. Although three additional milestones are scheduled for completion later this fiscal year, no milestones were scheduled for completion during this report period. Further details can be found in the milestone exception report following the cost and schedule variance analysis.

ACCOMPLISHMENTS

Maintain Safe and Compliant PFP

- Completed replacement and testing of 5 HEPA filters in Room 221.
- Achieved more than 265 calendar days without a lost workday injury as of August 23, 2000.
- Completed Milestone TRP-00-510, “Annual Revision To Integrated Project Management Plan” with formal submittal to DOE-RL on August 9, 2000 slightly behind schedule.
- Continued with installation of backflow preventers for facility Fire Risers Numbers 5, 6, and 8; Number 8 is now partially installed; excavation initiated on Number 5 & Number 6. This facility commitment to the site water purveyor is on schedule for a June 2001 completion.

Maintain Safe & Secure SNM

- Completed and reconciled Material Balance Areas (MBA) 218 & 250 inventories ahead of schedule. This task supports RL milestone TRP-00-509, “Complete FY00 Annual SNM Inventory,” due September 30, 2000.
- Continued with preparations for shipment of High Enriched Uranium (HEU) items to Oak Ridge National Laboratory.
- Preparations are underway to begin employee polygraph testing in September.

Oxides/Metals/Polycubes Stabilization

- Milestone TRP-00-503, “Conduct Alloys Air Operating Plan (AOP) Environmental Protection Agency (EPA) Review and Issue the Notice of Construction (NOC)” is currently scheduled for late August approval, one month ahead of schedule.
- Completed Milestone TRP-00-502, “Complete Metal Process Criticality Analysis and Issue Criticality Specification” on July 31, 2000, which is required in order to commence metal processing activities, completed one month behind schedule.
- Significantly increased process throughput by modifying the Loss on Ignition (LOI) testing method. As a result, a total of 477 items were stabilized through August 18, 2000.

Solution Stabilization

- Design, plant support and construction of the Mg(OH)₂ project are approximately 94 percent complete as of July 31, 2000.
- FH Operational Readiness Review (ORR) which concluded August 21, 2000, identified four pre-start items and one post-start item. All items were addressed and completed on August 23, 2000. The RL ORR began on August 25, 2000.

Residue Stabilization

- Submitted revised Part A permit to Ecology to provide for RCRA permitted storage at the Plutonium Finishing Plant (PFP).
- Reached Agreement in Principle with Washington State Department of Ecology for the re-designation of Sand, Slag and Crucible (SS&C) to remove reactivity and ignitability waste numbers.
- Submitted Supplement Analysis (SA) to RL for approval.

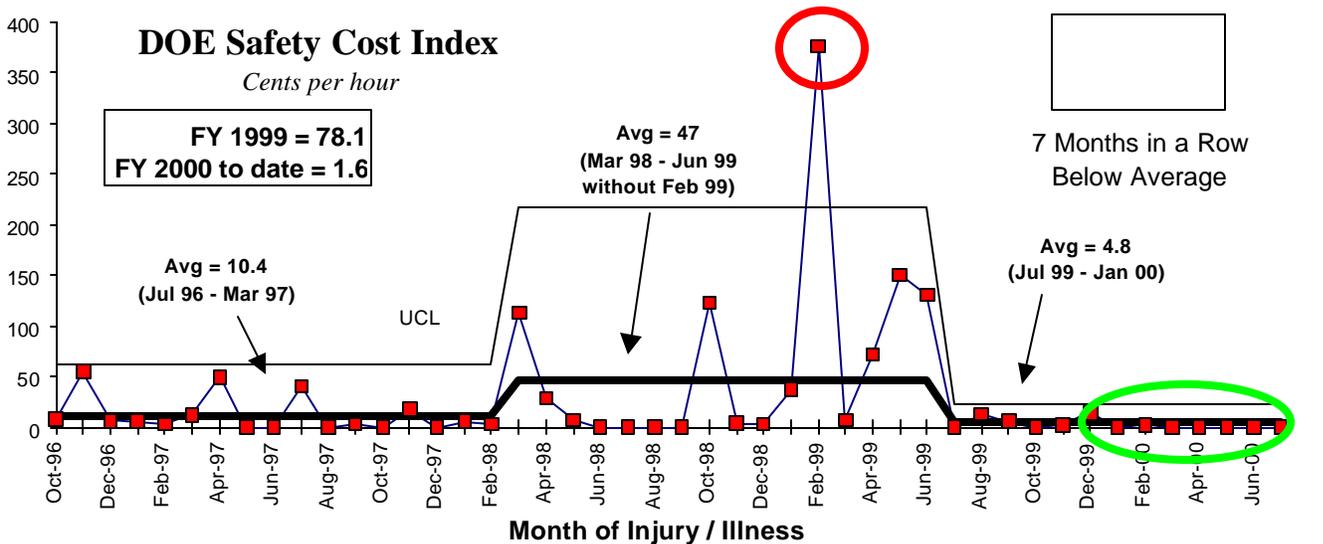
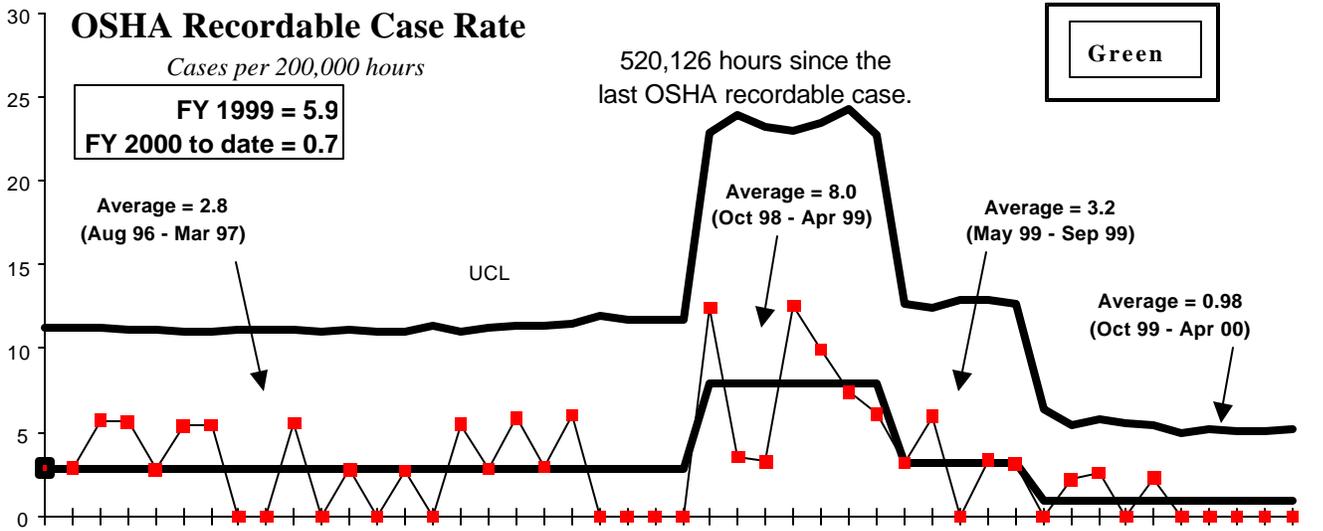
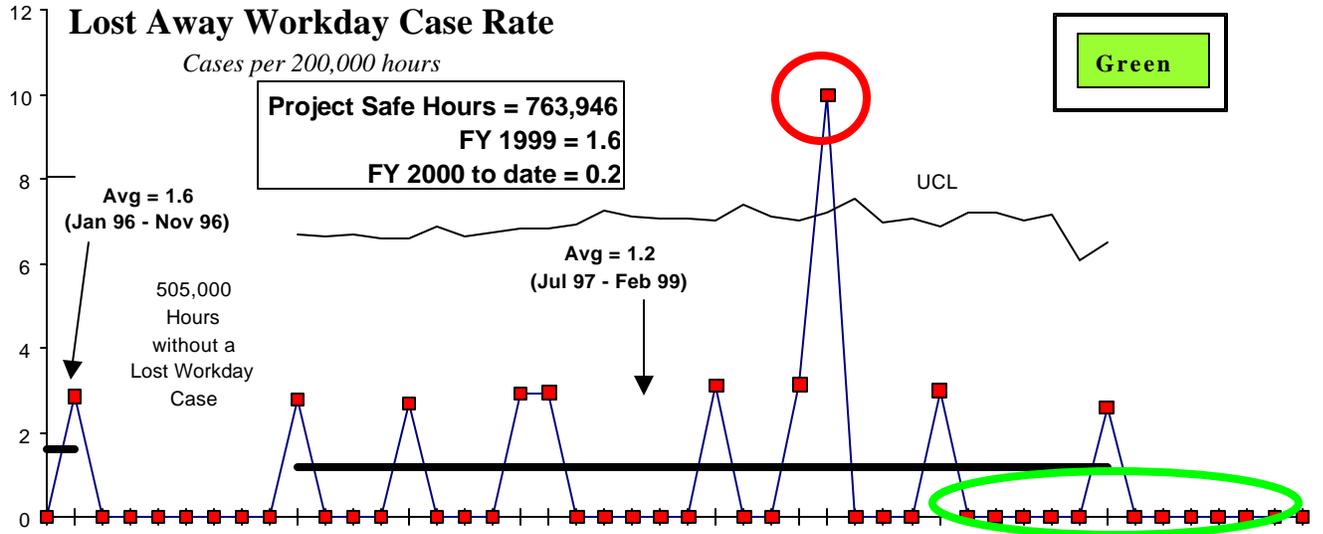
Project W-460

- Approval was received July 20, 2000 from the Washington State Department of Health regarding the Notice of Construction (NOC) for the 2736-Z Bagless Transfer System (BTS). Construction activities on 2736-ZB outside areas are now underway.
- The 234-5Z BTS unit construction in 234-5Z (room 235B continued, with construction completion expected in early September. Glovebox installation is complete and the BTS welding machine has been attached to the glovebox. Current work involves routing support systems and utilities to the glovebox and the BTS welding machine.

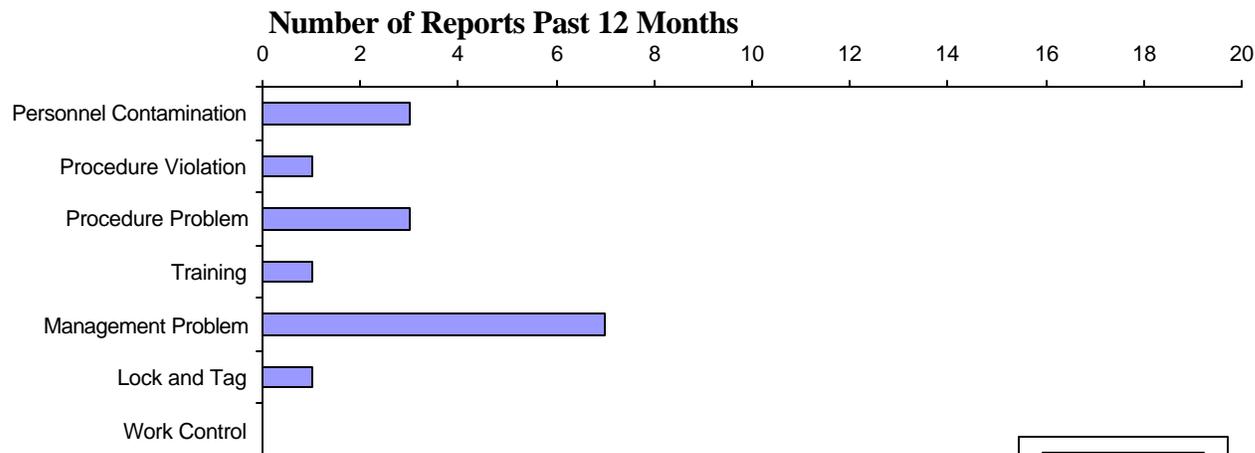
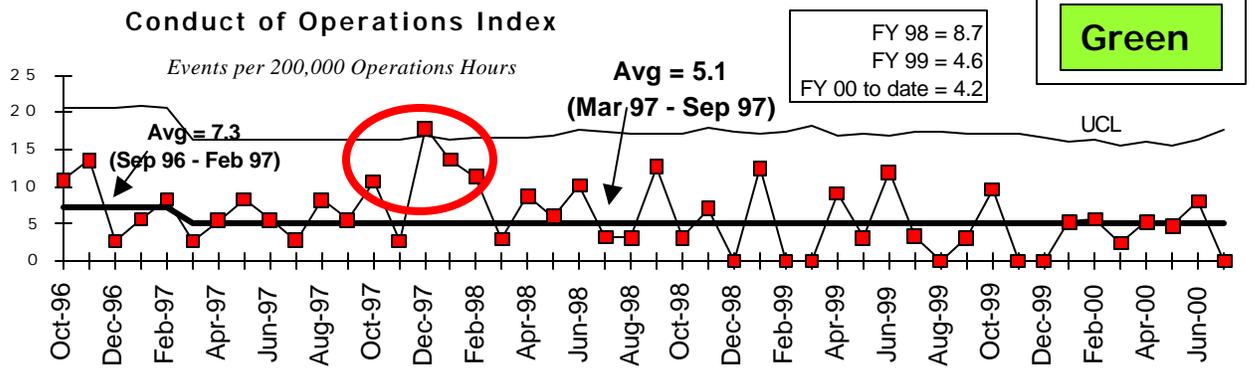
SAFETY

Lost Away Workday Case Rate has had a significant decrease, with twelve of thirteen months in a row at zero. Current rate is exceptionally low. Occupational Safety and Health Act (OSHA) recordable case rate is stable and has been more than 1/2 million hours since the last OSHA recordable case. It is a significant improvement in comparison to the adverse trend of spring 1999. FY 2000 OSHA case rate and DOE Safety Cost Index are very favorable. DOE Safety Cost Index has been seven months in a row below average. The Index has both a new average and control limits reflecting the significant decrease noted earlier in the year.

PHMC Environmental Management Performance Report – September 2000
Section C:1 – Nuclear Materials Stabilization



CONDUCT OF OPERATIONS / ISMS STATUS



ISMS STATUS

- NMS project has met the objectives established for Phase II ISMS verification.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

- **WIPP-Validated NonDestructive Analysis (NDA) System** – Implementation of a Waste Isolation Pilot Plant (WIPP) "validated" plutonium-measuring NDA system in FY 2000 continues. The equipment necessary to upgrade the Segmented Gamma Scanner has been delivered and upgrades have been initiated. Green
- **Time/Temperature Test Results for PFP Thermal Stabilization Furnaces** – This document provides the test results of the process currently used at the Plutonium Finishing Plant (PFP) for producing stable plutonium dioxide. The testing results show that the materials fed into the furnaces are being heated to at least 950°C for at least two hours as required by the Department of Energy Standard 3013-99. Green

- **Rocky Flats Ash** – NonDestructive Assay (NDA) confirmatory measurements of five (5) Rocky Flats ash standards have been completed. These standards will be utilized to calibrate the Segmented Gamma Scanner in support of ash repackaging via Pipe-N-Go.

Green

Opportunities for Improvement

- **Project Baseline Control** – A number of cost control measures are in place, and actively managed, to mitigate the current budget deficit. These include reductions in contract costs, overtime, material procurements, and suspension of non-critical hiring.

Green

- **Exposure Reduction** – Work is now being scheduled and coordinated to allow multiple tasks to be completed during a single zone entry. Ergonomic investigations are also underway that could ultimately result in the 2736-ZB vault staff using lead vests to reduce exposure.

Green

- **2736-ZB Bagless Transfer System (BTS) and Outer Can Welder for Project W-460** – Discussions are underway with Westinghouse Savannah River Company to provide an accelerated delivery date for the 2736-ZB BTS and Outer Can Welder for Project W-460. Funding has been allocated to Savannah River for design, construction, and delivery of the outer can welder.

Green

- **Preventive Maintenance/Surveillance Activities** – A recovery plan is being developed to reduce the backlog caused by the Hanford Site fire.

Green

UPCOMING ACTIVITIES

- Begin Pu solution stabilization via $Mg(OH)_2$ in September 2000.
- Complete Operational Readiness Review (ORR) and training activities for stabilization activities in room 230-C in September 2000.
- Startup Residues operations in fourth quarter of FY 2000.
- Complete installation and startup of the 234-5Z Bagless Transfer System (BTS) in fourth quarter of FY 2000.
- Begin metal stabilization processing in November 2000.
- Initiate polycube stabilization in third quarter of FY 2001. To minimize employee exposure this calendar year, polycube stabilization activities have been deferred to May 2001. Metal and alloy stabilization activities will be accelerated to accommodate this change.

COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE
Nuclear Materials Stabilization	\$87.7	\$99.4	- \$11.7

The \$11.7 million (13 percent) unfavorable cost variance is mostly driven by overruns in Solution Stabilization, Maintenance, and Training. Increased resources for the Mg(OH)₂ glovebox design, procurement and installation have been necessary to maintain the aggressive schedule demands. The cost overruns are somewhat offset by underruns in other areas due to a shortage of staff.

SCHEDULE PERFORMANCE (\$M):

	BCWP	BCWS	VARIANCE
Nuclear Materials Stabilization	\$87.7	\$102.7	- \$15.0

The \$15.0 million (15 percent) unfavorable schedule variance is due to the behind status on Project W-460, the Plutonium Stabilization and Packaging System, capital activities, such as the elimination of trailers, vault modification design, and start of BTS fabrication and construction activities. Facility construction modifications have not started as scheduled due to deviations in the definitive design, required changes to the National Environmental Policy Act (NEPA) Supplement Analysis and approval of the Notice of Construction by the Washington State Department of Health. Residues and solution stabilization activities are also the behind schedule. Solution stabilization construction activities are two months behind schedule, with startup now planned for September 2000. Restart activities for residues are behind schedule and additional NDA equipment necessary for WIPP validation has been ordered and is being installed. Restart of residue disposition activities (i.e., Pipe-n-Go of ash) is now anticipated in September 2000, versus the planned April 2000 cementation restart. Oxide stabilization activities continue significantly ahead of schedule.

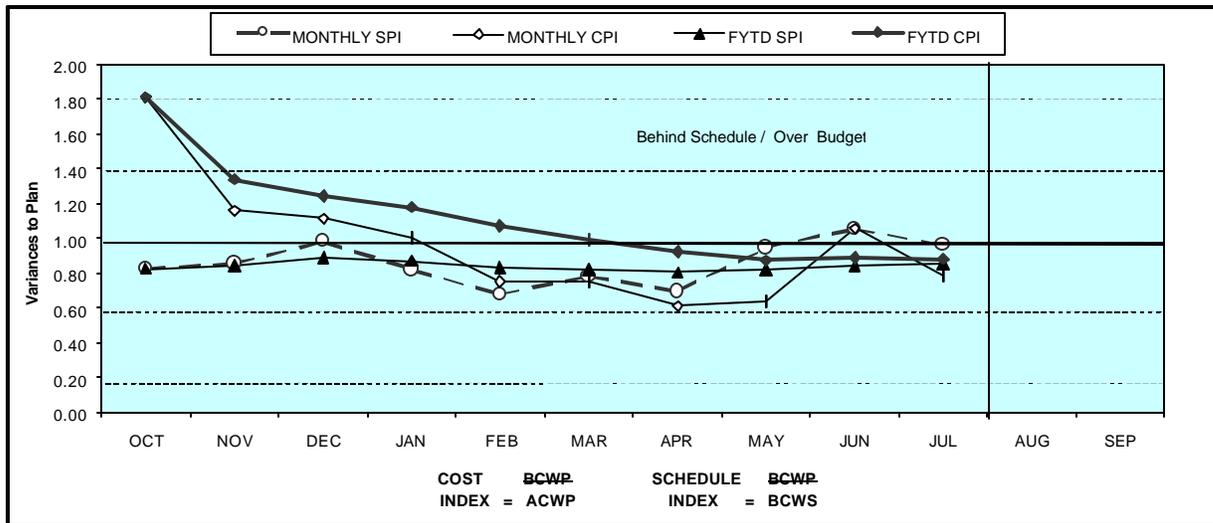
FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)

Yellow

		FYTD								
Bv PBS		BCWS	BCWP	ACWP	SV	%	CV	%	PEM*	EAC
WBS 1.4.5	PFP									
PBS TP05	Deactivation	\$ 102,689	\$ 87,702	\$ 99,427	\$ (14,987)	-15%	\$ (11,725)	-13%	\$ 124,267	\$ 122,994
Total		\$ 102,689	\$ 87,702	\$ 99,427	\$ (14,987)	-15%	\$ (11,725)	-13%	\$ 124,267	\$ 122,994

* Authorized baseline as per the Integrated Planning Accountability, and Budget System (IPABS) – Project Execution Module (PEM). RL-Directed Costs (steam) are included in the PEM BCWS.

COST/SCHEDULE PERFORMANCE INDICES (MONTHLY AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.83	0.85	0.98	0.82	0.68	0.78	0.70	0.95	1.06	0.96		
MONTHLY CPI	1.81	1.16	1.11	1.01	0.75	0.75	0.61	0.64	1.06	0.79		
FYTD SPI	0.83	0.84	0.89	0.87	0.83	0.82	0.81	0.82	0.85	0.85		
FYTD CPI	1.81	1.34	1.25	1.18	1.07	0.99	0.93	0.87	0.89	0.88		
MONTHLY BCWS	\$7,913	\$12,725	\$9,999	\$10,540	\$11,128	\$13,401	\$9,632	\$9,999	\$9,375	\$7,978	\$11,172	\$10,406
MONTHLY BCWP	\$6,543	\$10,873	\$9,849	\$8,638	\$7,567	\$10,480	\$6,704	\$9,474	\$9,910	\$7,664		
MONTHLY ACWP	\$3,613	\$9,386	\$8,845	\$8,587	\$10,085	\$13,961	\$10,988	\$14,826	\$9,383	\$9,753		
FYTD BCWS	\$7,913	\$20,638	\$30,637	\$41,177	\$52,305	\$65,706	\$75,338	\$85,336	\$94,711	\$102,690	\$113,861	\$124,267
FYTD BCWP	\$6,543	\$17,416	\$27,265	\$35,903	\$43,470	\$53,950	\$60,654	\$70,128	\$80,038	\$87,702		
FYTD ACWP	\$3,613	\$12,999	\$21,844	\$30,431	\$40,516	\$54,477	\$65,465	\$80,292	\$89,675	\$99,427		

COST VARIANCE ANALYSIS: (- \$11.7M)

WBS/PBS

Title

1.4.5.1.11/TP05

Maintain Safe & Compliant PFP (-\$1.9M)

Description and Cause: The cost variance is primarily attributable to overtime usage created by a shortage of staff. Emergent work scope also is a contributory factor.

Impact: Potential deferral of routine maintenance activities.

Corrective Action: Continue aggressive monitoring of cost control measures identified by the PFP Financial Integration & Administration organization and implemented by Project Management.

1.4.5.1.14

Disposition of Nuclear Materials (-\$1.0M)

Description and Cause: The cost variance is due to overtime usage required to compensate for staff shortages in the areas of the 234-5Z Bagless Transfer System (BTS) installation as well as repackaging and material storage activities.

Impact: Potential delay in BTS startup activities.

Corrective Action: Maintain aggressive Nuclear Operator training and clearance program that will allow these employees to work within the PFP Complex.

1.4.5.1.12/TP05 PFP Fee Allocation (-\$1.6M)

Description and Cause: The cost variance is due to a point adjustment (-\$471K) in May to adjust for delay in staff hiring ramp-up at the beginning of FY 2000. An increase in the fee accrual rate from 90 percent to 100 percent also is a contributory factor.

Impact: No impact.

Corrective Action: None required.

1.4.5.1.13/TP05 Stabilization of Nuclear Materials (-\$5.7M)

Description and Cause: The unfavorable cost variance is due primarily increased plant support needed for procurement and installation of the Mg(OH)₂ glovebox and equipment, and other construction activities, and use of subcontract staff augmentation.

Impact: Construction not started on time; cost overruns can hurt overall plant project funding.

Corrective Action: Acceleration of schedule for procurement, construction is now complete and startup activities, including the ORR, have been accelerated.

1.4.5.1.15/TP05 Transition PFP (-\$0.4M)

Description and Cause: Carryover scope from FY99 (Sampling follow-on, NDA); unforeseen lab costs due to PCBs; evaluation of remedial alternatives

Impact: Deferred tank characterization until FY 2001, no major impacts identified.

Corrective Action: BCR funding \$395K, using FY 1999 carryover funds was implemented this month creating the positive cost variance. Balance is on funds management. Stopped work on largest remaining contract, minimal effort and cost for balance of FY.

SCHEDULE VARIANCE ANALYSIS: (- \$15.0M)

WBS/PBS

Title

1.4.5.1.13/TP05 Stabilize SNM (-\$2.9M)

Description and Cause: The unfavorable schedule variance is due primarily to the behind schedule status on solutions and residue stabilization activities. Solution stabilization construction activities remain two months behind schedule with startup now planned for September 2000. Priority of residue stabilization activities is being modified from the baseline plan. Pipe-N-Go processing of Rocky Flats Ash has now become the number one priority rather than cementation of Sand, Slag, and Crucible (SS&C) material as previously identified in the baseline plan.

Impact: Delays in startup of Rocky Flats Ash residue processing and Mg(OH)₂ precipitation processing have been encountered. However, schedule recovery is expected by the end of FY 2000.

Corrective Action: A baseline change request is in progress that establishes the updated priority of residue processing that will, upon approval, significantly reduce the unfavorable schedule variance. Plans are also in place to stabilize residues and solutions exceeding baseline commitments even with a September processing start.

1.4.5.1.14/TP05

Disposition of Nuclear Material (-\$11.8M)

Description and Cause: The unfavorable schedule variance is primarily due to delays in Line Item Project W-460, Plutonium Stabilization and Packaging System, definitive design and construction. Facility construction modifications have not yet started as scheduled, due to deviations to the Definitive Design, required changes to the NEPA Supplement Analysis and approval of the Notice of Construction (NOC) by the Washington State Department of Health (WSDOH).

Impact: Potential delay in the startup of the Bagless Transfer and Stabilization system in 2736-ZB, which can impact stabilization activities in FY 2001.

Corrective Action: To assist in the recovery, a second BTS unit is being installed in the 234-5Z facility, which will enable BTS unit operation in FY 2000 as originally planned.

FUNDS MANAGEMENT
FUNDS VS SPENDING FORECAST (\$000)
FY TO DATE THROUGH JULY 2000
(FLUOR HANFORD, INC. ONLY)

	Project Completion *			Post 2006 *			Line Items *		
	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance	Expected Funds	FYSF	Variance
The Plateau 1.4.5 Nuclear Materials Stabilization TP05 Operating	113,389	117,345	(3,956)				17,577	9,789	7,788
Total Nuclear Mat. Stab. Operating	\$ 113,389	\$ 117,345	\$ (3,956)				\$ 17,577	\$ 9,789	\$ 7,788
Total Nuclear Mat. Stab. Line Item							\$ 17,577	\$ 9,789	\$ 7,788

*Control Point

ISSUES

Technical Issues

Sixty-three (63) thermally stabilized items have not met Loss On Ignition (LOI) criteria for repackaging.

Impact: Reprocessing/retest of material could potentially impact the overall processing schedule and increase employee dose rates.

Corrective Action: Thermally stabilized items that did not initially meet Loss on Ignition (LOI) criteria for repackaging have been reprocessed and now meet LOI criteria. Additionally, a supercritical fluid extraction technology system designed specifically for moisture measurements has been purchased and is expected to be operational in September 2000. **This item is closed.**

DOE/Regulator/External Issues

- RCRA Permitting Part A revision for adding ignitability waste code was submitted to Ecology in support of Cementation startup.
- RCRA Permitting in support of Pipe-N-Go:
 - A revised Notice of Intent (NOI) to define storage locations at Plutonium Finishing Plant (PFP) was released for public review.

PHMC Environmental Management Performance Report – September 2000
Section C:1 – Nuclear Materials Stabilization

- The required interim status Cementation documents, necessary to work under a Part A RCRA permit, have been completed and were submitted by RL to Ecology on July 20, 2000. These documents include inspection, waste analysis, training, emergency/contingency and closure plans. Revised Part A to provide permitted storage at PFP has been transmitted to Ecology. Approval of Part A by Ecology is required prior to startup.
- Update interface agreement between PFP and Waste Management to define requirements and responsibilities to support CWC and Waste Isolation Pilot Plant acceptance of packaged residues.
- The PFP has requested DOE-RL to assist in expediting development of the Safety Analysis for Packaging Report (SARP) or Safety Evaluation for Packaging (SEP) required for transporting pipe overpack containers (POCs) from PFP to the Central Waste Complex.
- In a letter delivered to RL on August 15, 2000, NMS was informed that its Part A, form 3 request submitted to Ecology was denied. This request was submitted to establish permitted areas where Rocky Flats ash residues could be repackaged and temporarily stored, pending shipment to an already-permitted location in the CWC.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS
(\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN	BCR TITLE	FY00 COST IMPACT \$000	SCH	TECH	DATE TO CCB	CCB APR'VD	RI APR'VD	CURRENT STATUS
FSP-2000-001	14-Oct-99	Delete TRP-99-419, Complete Install. of Production Scale Vertical Calciner	\$0				To be Canceled		On Hold
FSP-2000-043	2-May-00	Video Control Camera	\$67	X	X		To be Canceled		On hold due to budget
FSP-2000-045	1-Dec-99	Implement PFP Int Proj Mgmt Plan Addendum I	\$0	X	X				Ready for submittal FH CCB
FSP-2000-049	8-Jun-00	Submit Hanford. Mtrls. Forecast to RL (revise TRP-00-103 date)		X		16-Jun-00	21-Jun-00	24-Jul-00	Complete
FSP-2000-050	9-Jun-00	Project W-460: Procure Calorimeters/Outer Can Welder	<\$1,640>	X	X	16-Jun-00			At FHI CCB for approval
FSP-2000-051	16-Jun-00	HEPA Filter Vulnerability Assessment	\$38	X	X				In Work
FSP-2000-053	2-May-00	Backflow Preventers	\$160	X	X	31-Jul-00	2-Aug-00	22-Aug-00	Complete
FSP-2000-061	14-Jul-00	Badgehouse X-ray Machine	\$400	X	X	31-Jul-00			In work
FSP-2000-063	18-Jul-00	Rebaseline Project W-460	TBD	X	X				In work
FSP-2000-069	21-Jul-00	Rebaseline TP-12, Transition Project Management	TBD	X	X				In work
FSP-2000-062	21-Jul-00	PFP Residue Stabilization Rebaseline	TBD	X	X		Cancel, part of Bridge		In work
FSP-2000-074	21-Jul-00	Rebaseline PFP Polycube Stabilization	TBD	X	X				In work
ADVANCE WORK AUTHORIZATIONS									
		None in work at this time							

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2000
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	1	1	0	0	0	0	0	2
DOE-HQ	0	0	0	1	0	0	0	1
RI	2	0	2	4	0	3	0	11
Total Project	3	1	2	5	0	3	0	14

Tri-Party Agreement / EA Milestones	
<p>Tri-Party Agreement Milestone M-15-37A (TRP-00-501), “Deliver Two (2) Tank Z-241-Z-361 Core Samples to 222-S”, due 10/30/99</p> <ul style="list-style-type: none"> Completed 1 month early (9/28/99) 	Green
<p>Tri-Party Agreement Milestone (TRP-00-511), “Deliver Two (2) Tank 241-Z-361 Core Sample Validated Data Packages to EPA”, due 5/31/00</p> <ul style="list-style-type: none"> Completed On Schedule 	Green
DNFSB Commitments	
<p>DNFSB Milestone IP-113 (TRP-00-500), “Install 2 LANL Pyrolysis Units for Stabilization of Polycubes at PFP”, due 12/31/99</p> <ul style="list-style-type: none"> A BCR to remove pyrolysis stabilization of polycubes and implement thermal stabilization in its stead has been approved by RL and implemented into the baseline. 	Green

MILESTONE EXCEPTION REPORT

<u>Number/WBS</u> <u>Date</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline</u> <u>Date</u>	<u>Forecast</u> <u>Date</u>
----------------------------------	--------------	------------------------	--------------------------------	--------------------------------

OVERDUE –5

TRP-00-500 1.4.5	HQ	Install Two Los Alamos National Laboratory (LANL) Pyrolysis Units for Stabilization of Polycubes	12/31/99	Proposed Deletion
---------------------	----	--	----------	----------------------

Cause: See DNFSB Commitment above.

Corrective Action: A BCR to remove pyrolysis stabilization of polycubes and implement thermal stabilization in its stead has been approved by RL and implemented into the baseline. However, this is a HQ milestone and cannot be removed from the list.

TRP-00-504 RL Restart Cementation Operations 04/21/00 FY 2001

1.4.5

Cause: Stabilization processing has been re-sequenced.

Corrective Action: None, as the global stabilization end point will remain the same.

TRP-00-507 RL Begin Stabilizing Solutions via 07/25/00 09/12/00

1.4.5 Mg(OH)₂ precipitation

Cause: FY 1999 funding issue impacted original baseline schedule.

Corrective Action: None.

TRP-00-508 RL Complete 2 of 5 Criticality Alarm Panel 06/30/00 Proposed

1.4.5 (CAP) Upgrades Deletion

Cause: The Baseline Change Request is now approved.

Corrective Action: Update the milestone database to reflect this recent change.

TRP-00-510 RL Complete Annual Revision to the IPMP 05/31/00 08/09/00

1.4.5

Cause: Extended comment resolution.

Corrective Action: None.

FY 1999 OVERDUE – 2

TRP-99-419 RL Complete Installation of Production 09/30/99 Proposed

1.4.5 Scale Vertical Calciner Deletion

Cause: The production scale vertical calciner has been replaced with the Magnesium Hydroxide Precipitation process.

Impact: No impact. This milestone is obsolete.

Corrective Action: Since installation and testing of the production scale vertical calciner is an EM-65 Management Commitment, the Department of Energy, Richland Office (DOE-RL) change control process cannot remove this milestone.

TRP-99-500 HQ Complete Installation & Testing of 09/30/99 Proposed

1.4.5 Production Vertical Calciner Deletion

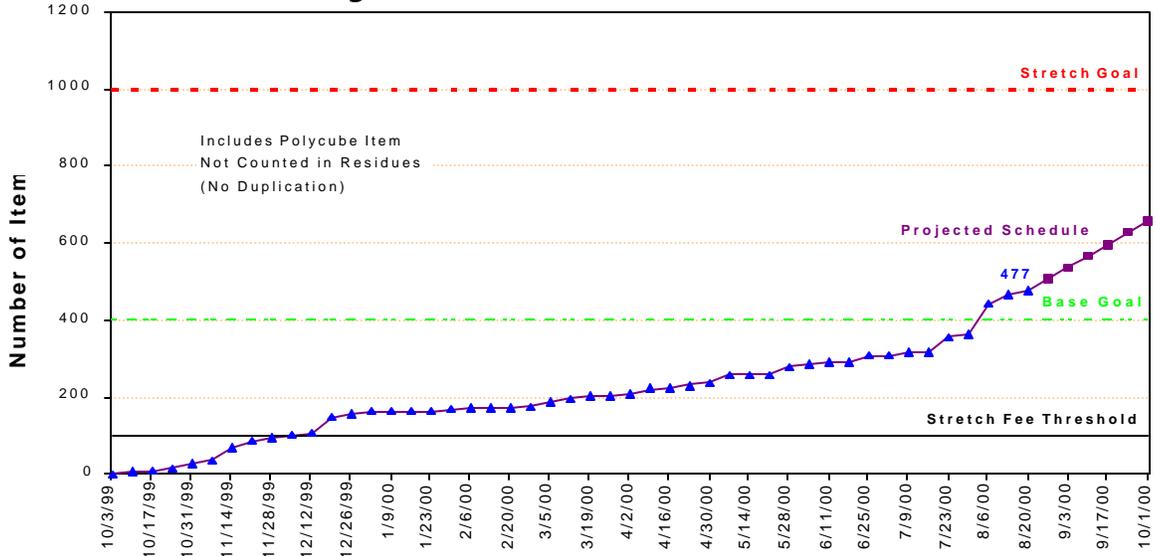
Cause: The production scale vertical calciner has been replaced with the Magnesium Hydroxide Precipitation process.

Impact: No impact. This milestone is obsolete.

Corrective Action: Since this milestone is a DOE-HQ milestone and is part of the DOE-HQ 1998 DNFSB Recommendation 94-1 Implementation Plan, the Department of Energy, Richland Office change control process cannot remove this milestone. However, this milestone will be removed upon approval of the revised DOE-HQ DNFSB Recommendation 94-1 Implementation Plan.

PERFORMANCE OBJECTIVES Oxides/Metals/Polycubes Stabilization

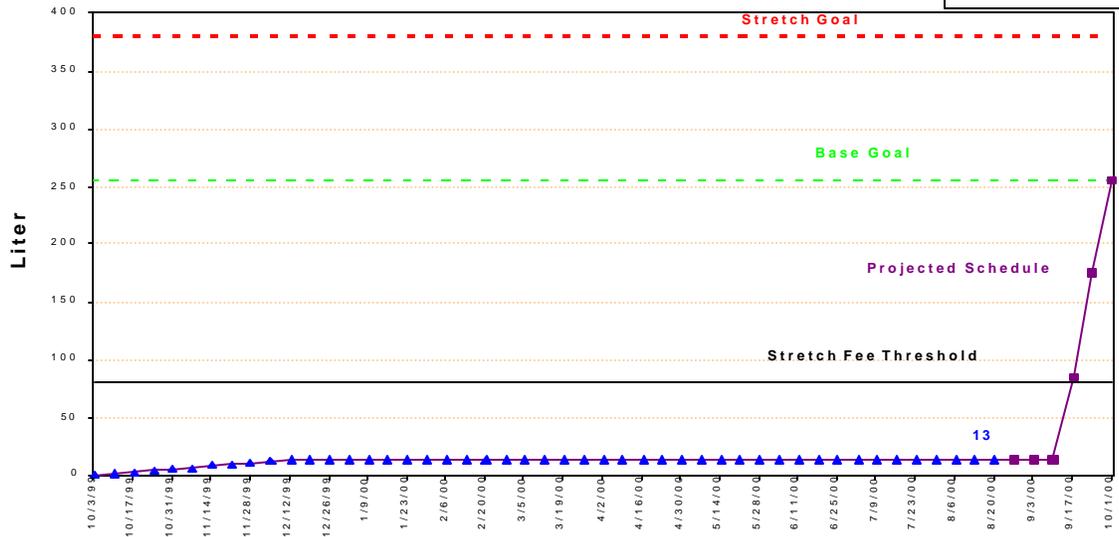
Green



	10/3	10/17	11/7	11/21	12/5	12/26	1/9	1/30	2/13	3/5	3/19	4/9	4/23	5/7	5/28	6/11	7/2	7/16	7/30	8/20	9/3	9/24	
Oxides Stretch Goal	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Oxides Base Goal	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Oxides Actual	0	10	35	87	107	157	164	169	174	189	201	221	228	255	277	290	307	317	360	477			
Oxides Projected Schedule																					477	537	627
Stretch Fee Threshold	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

Solution Stabilization

Yellow

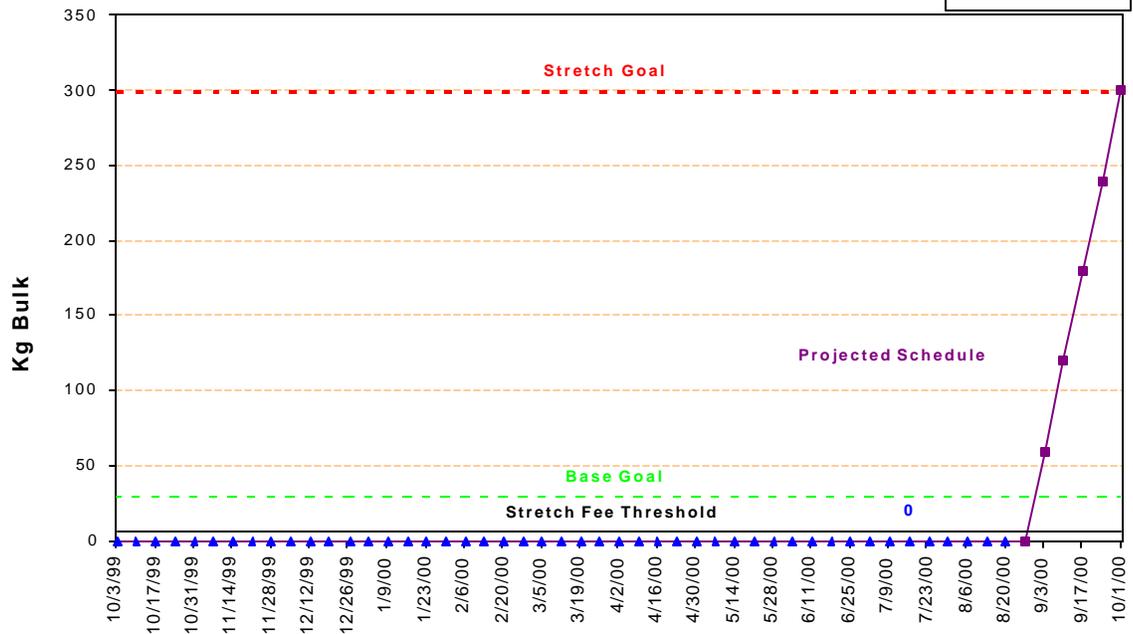


	10/3	10/17	10/31	11/21	12/5	12/19	1/2	1/16	2/6	2/20	3/5	3/19	4/9	4/23	5/7	5/21	6/4	6/25	7/9	7/23	8/6	8/20	9/10	9/24	
Solutions Stretch Goal	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	380	
Solutions Base Goal	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	
Solutions Actual	0	2	5	9	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
Solutions Projected Schedule																							13	13	175.0
Stretch Fee Threshold	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	

FH ORR complete; DOE ORR targeted to begin August 25, 2000. Aggressively pursuing construction completion in support of stabilization activities.

Residues Stabilization

Yellow



	10/3	10/17	11/7	11/21	12/12	12/26	1/9	1/30	2/13	3/5	3/19	4/9	4/23	5/7	5/28	6/11	7/2	7/16	7/30	8/20	9/3	9/24	
Residues Stretch Goal	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
Residues Base Goal	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
Residues Actual	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Residues Projected Schedule																					0	60	240
Stretch Fee Threshold	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7

Update baseline schedules for new start-up date and adjust ash schedule for preparatory work.

KEY INTEGRATION ACTIVITIES

- Working on interface agreement between PFP and Waste Management to define requirements and responsibilities to support Central Waste Complex (CWC) and Waste Isolation Pilot Plant (WIPP) acceptance of packaged residues. This support includes security upgrades and issuance of Criticality Safety Evaluation (CSER) and Safety Analysis Report for Packaging (SARP) documentation.
- Joint PNNL/Plutonium Process Support Laboratories (PPSL) Mg(OH)₂ continues:
 - Status meeting with PNNL, PFP and DOE RL.
 - PPSL preparing to conduct scale testing with test set up developed by PNNL.
 - Downloaded solutions (1 product receiver (PR) container) in room 227 to support Phase II testing by PPSL.
- Fluor Hanford and Westinghouse Savannah River are jointly developing the Outer Can Welder (OCW) that will help standardize welding of 3013 containers (Department of Energy Standard 3013-99).