

Section A

Executive Summary

INTRODUCTION

This section of the report is intended to provide Management with an executive-level summary of the most noteworthy performance information to date. All cost, schedule, milestone commitments, performance measures, and safety data is current as of July 31, 2001. Accomplishments, Issues and Integration items are current as of August 23, 2001 unless otherwise noted.

The section begins with a description of notable accomplishments that have occurred since the last monthly report and are considered to have made the greatest contribution toward safe, timely, and cost-effective clean up. Following the accomplishment section is an overall fiscal year-to-date summary analysis addressing cost, schedule, funds management and milestone performance. Overviews of safety ensue. The next segment of the Executive Summary, entitled Breakthroughs and Opportunities for Improvement represents potential significant improvements over the established baseline. The Critical Issues section is designed to identify the high-level challenges to achieving cleanup progress.

The next section includes FY 2001 EM Management Commitment Milestones and Performance Incentives.

The Key Integration Activities section follows next, highlighting PHMC activities that cross contractor boundaries and demonstrate the shared value of partnering with other Site entities to accomplish the work. Concluding the Executive Summary, a forward-looking synopsis of Upcoming Planned Key Events is provided.

Note: Milestones tracked and reported in this report consist of two Department of Energy levels. In descending order these levels are 1) Department of Energy-Headquarters (HQ), and 2) Richland Operations (RL). Because it is also useful to distinguish milestones based on specific drivers, the Site applies a designation for those milestones created or tracked to meet the requirements of Enforceable Agreements (EAs). When a milestone satisfies both an EA requirement and a milestone level, it is categorized as both. However, in order to avoid duplicate reporting, this report accounts for each milestone only once. Where an overlap exists between EA and a level (i.e., HQ or RL), the milestone is reported as EA. Additionally, Tri-Party Agreement (TPA) Major and Interim milestones are EA milestones. TPA milestones that are not enforceable are called Target milestones and are included in the TPA/EA milestone tables found in the applicable Project Sections.

NOTABLE ACCOMPLISHMENTS

Acceleration of T Plant Readiness to Receive Spent Nuclear Fuel (SNF) K Basin Sludge $\frac{3}{4}$ A cost effective path forward was finalized for removal of the two PUREX towers from T Plant. Final preparations were made for the field portion of the Contractor Operational Readiness Review (ORR) to commence August 27, 2001.

Stabilization of Nuclear Material

- **Residues $\frac{3}{4}$** The recalibration documentation for the Segmented Gamma Scan Assay System (SGSAS) was approved on July 18, 2001 and measurement of Hanford ash was resumed. Eleven pipe overpack containers (POCs) containing 11,634 grams bulk were packed in July and 16 POCs containing 17,579 grams bulk have been packaged as of August 17, 2001.
- **Oxides/Metals $\frac{3}{4}$** The Fluor Hanford Readiness Assessment Team completed their review of packaging oxides into a Bagless Transfer Can (BTC) on July 26th with three pre-start findings, one post-start finding and three observations. The Plutonium Finishing Plant requested RL approval to proceed with packaging oxides into a BTC on July 31st. All pre-start actions had been completed.

- **Solutions** ³/₄ A total of thirty-one liters of solution were processed through the magnesium hydroxide [Mg(OH)₂] hot plates during the month of July, bringing the FYTD total to 593 liters.

Disposition of Nuclear Material ³/₄ Through July 31, 2001, the Outer Can Welder has produced three hundred and nine (309) DOE-STD-3013 containers. Packaging of all Pu Metal into 3013 containers is complete.

Accelerated Deactivation Project Efforts Continue ³/₄ In preparation for categorizing the facility, the Project completed initial entry into the 224-T Building F Cell and an additional entry into E Cell for video footage and visual roof inspection.

Fuel Movement Activities Continue ³/₄ Eighteen Multi-Canister Overpacks (MCOs) (377 canisters – 5481 fuel assemblies) have been removed from K West (KW) Basin for a total of 84.32 Metric Tons of Heavy Metal (MTHM) shipped. The eighteenth MCO was shipped to the Cold Vacuum Drying (CVD) Facility on August 7, 2001. After being processed at the CVD Facility, it was then shipped to the Canister Storage Building (CSB) on August 13, 2001. The processing time for MCO 18 at the CVD Facility has been the lowest to date.

PERFORMANCE DATA AND ANALYSIS

The following provides a brief synopsis of overall PHMC Environmental Management (EM) cost, schedule, and milestone performance.

FY 2001 Schedule and Cost Performance

Schedule Performance — There is a FY 2001 year-to-date 5.1 percent (\$23.0 million) unfavorable schedule variance that is within the established 10 percent threshold. Mission Support is the only project outside the threshold. Detailed variance analysis explanations can be found in the Project Sections.

Cost Performance — FY 2001 year-to-date cost performance reflects a 0.8 percent (\$3.5 million) favorable cost variance that is within the established 10 percent threshold. Projects outside the threshold are Advanced Reactors Transition, Mission Support, HAMMER, Landlord, and National Programs. Detailed variance analysis explanations can be found in the Project Sections.

Estimate at Completion (EAC) — Because the EACs portrayed on the following table represent current estimates for authorized work, they may differ from the Performance Execution Module (PEM) column. Additionally, approved changes to the baseline are reflected in EACs but may not yet be included in the PEM database due to timing issues.

BASELINE PERFORMANCE STATUS

FY 2001 COST / SCHEDULE PERFORMANCE – ALL FUND TYPES

CUMULATIVE TO DATE STATUS (\$M)

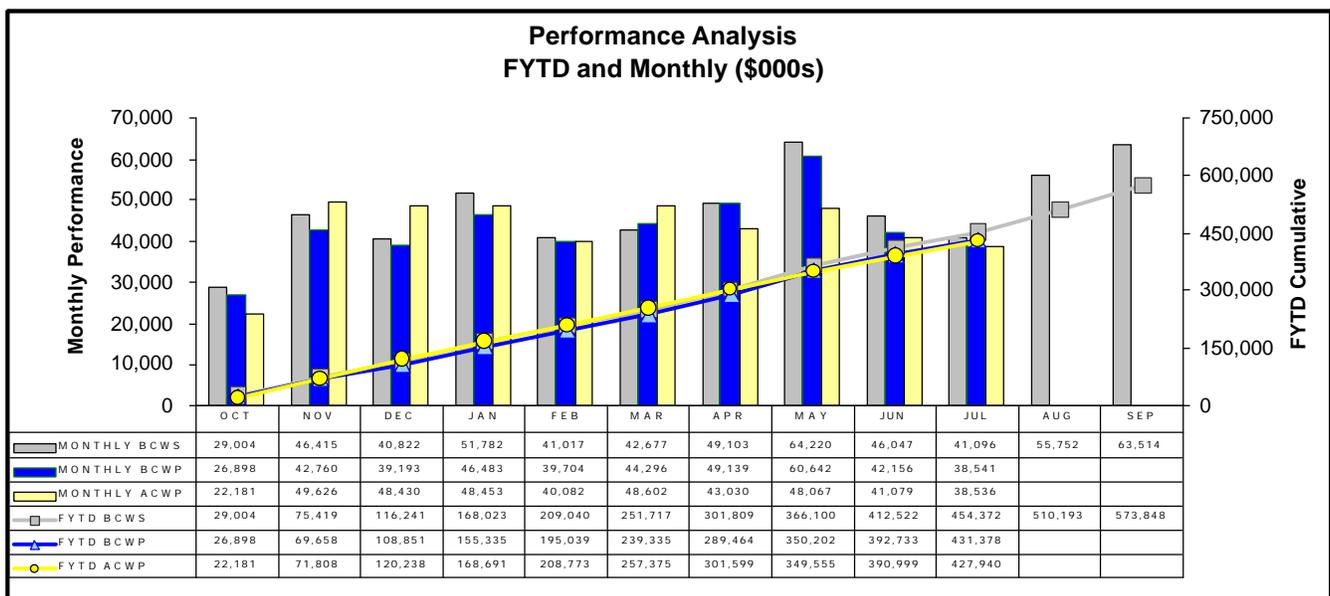
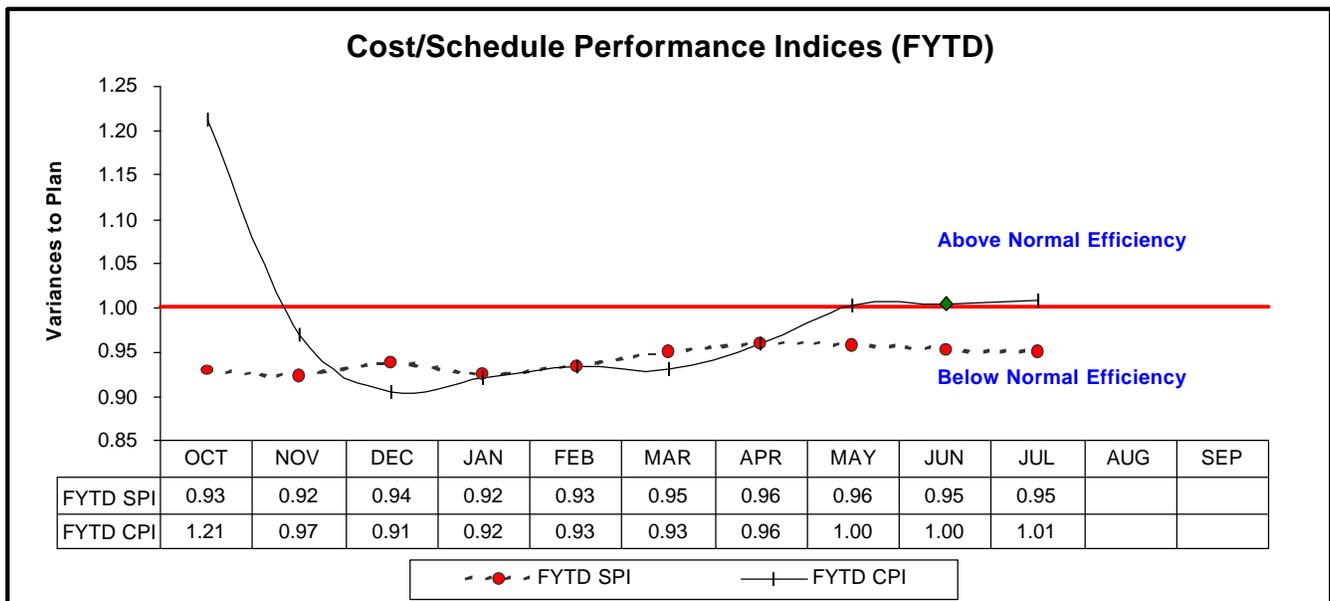
DATA THROUGH JULY 2001

	Current Fiscal Year Performance (\$ x Million)					Annual Budget	EAC	
	FYTD			Schedule Variance	Cost Variance			
	BCWS	BCWP	ACWP					
The Plateau								
1.2	Waste Management TP02,WM03-05	85.0	83.9	81.6	(1.1)	2.3	106.5	102.7
1.2.4	Analytical Svcs (222-S,HASP,WSCF) WM06	25.8	25.7	24.5	(0.2)	1.1	32.0	32.0
1.4.5	Nuclear Materials Stabilization TP05	89.7	85.8	88.1	(3.9)	(2.3)	113.5	115.8
	Subtotal The Plateau	200.5	195.3	194.2	(5.1)	1.1	252.0	250.5
The River								
1.4	River Corridor TP01,TP04,TP08,TP10,TP12,TP14	40.7	38.4	36.9	(2.3)	1.4	51.2	49.2
1.3	Spent Nuclear Fuel WM01	142.6	132.8	132.5	(9.8)	0.3	182.6	185.4
1.12	Advanced Reactors (EM)	1.5	1.4	1.0	(0.1)	0.4	1.9	1.9
	Technology Development (EM-50)	22.4	20.5	19.7	(1.9)	0.8	26.8	21.5
	Subtotal The River	207.2	193.0	190.1	(14.2)	2.9	262.5	258.0
The Future								
1.9	HAMMER HM01	5.1	4.9	4.4	(0.2)	0.5	6.4	6.3
	Subtotal The Future	5.1	4.9	4.4	(0.2)	0.5	6.4	6.3
Multiple Outcomes								
1.5	Landlord TP13	18.4	16.9	15.0	(1.5)	1.9	23.6	23.1
1.8	Mission Support OT01	19.3	17.3	21.1	(2.0)	(3.8)	23.8	22.6
1.11 & WM07	National Programs OT02, WM07	4.0	4.0	3.1	0.0	0.9	5.5	5.0
	Subtotal Multiple Outcomes	41.7	38.2	39.2	(3.5)	(1.0)	53.0	50.7
	Total PHMC Projects	454.4	431.4	427.9	(23.0)	3.5	573.8	565.5

Notes: Column headings [Budgeted Cost of Work Scheduled (BCWS), Budgeted Cost of Work Performed (BCWP), etc.] are defined in the glossary at the end of the report. Calculations are based on Project Baseline Summary detail. Waste Management, Analytical Services, River Corridor, and Nuclear Materials Stabilization have included RL-Directed costs (e.g. steam and laundry) in the Project Execution Module (PEM) BCWS. Advanced Reactors ACWP excludes \$1.7M of cost which is in WBS 2.1.1.1.4.1 and is not ART cost; see section E: 3 for details. Technology Development does not include ORP/RPP TTPs currently reported in the RL Dataset in PEM.

The following charts provide an overall graphical view of cost and schedule performance.

FY 2001 SCHEDULE / COST PERFORMANCE



FUNDS MANAGEMENT FUNDS VS. SPENDING FORECAST (\$000) (FLUOR HANFORD, INC. ONLY)

This chart reflects FH Project structure, which divides PBS WM05 between projects. This breakout is necessary to provide FH project managers with information specific to their areas of responsibility and accountability and to facilitate effective management of the funds within their control (obligated to the PHMC). Consequently, these figures will differ from those shown elsewhere in this report (as generated in the PEM system).

For purposes of funds management, the "Other" category includes all funding sources not suitable for redistribution within the Project Completion and Post 2006 control points.

Data Through July 2001

	Project Completion Control Point			Post 2006 Control Point			Line Items and Other		
	Funds	FYSF	Variance	Funds	FYSF	Variance	Funds	FYSF	Variance
The Plateau									
1.2 Waste Management <small>TP02,WM03-05</small>				98,580	94,716	3,864			
1.2.4 Analytical Svcs (222-S,HASP,WSCF) <small>WM06</small>				30,766	30,284	482			
1.4.5 Nuclear Materials Stabilization <small>TP05 Line Item</small>	95,455	93,950	1,505				12,125	12,125	0
Subtotal The Plateau Operating	\$ 95,455	\$ 93,950	\$ 1,505	\$ 129,346	\$ 125,000	\$ 4,346			
Subtotal The Plateau Line Item							\$ 12,125	\$ 12,125	0
The River									
1.4 River Corridor <small>TP01,TP04,TP08,TP10,TP12,TP14,WM05</small> Line Item	49,228	46,616	2,612	5,637	5,254	383			
1.3 Spent Nuclear Fuel <small>WM01 Line Item</small>	196,462	172,888	23,574						
1.1.2 Advanced Reactors (EM)				3,483	3,180	303			
Subtotal The River Operating	\$ 245,690	\$ 219,504	\$ 26,186	\$ 9,120	\$ 8,434	\$ 686			
Subtotal The River Line Item									
The Future									
1.9 HAMMER <small>HM01</small>				6,534	6,038	496			
Subtotal The Future				\$ 6,534	\$ 6,038	496			
Multiple Outcomes									
1.5 Landlord <small>TP13</small>				22,437	20,253	2,184			
1.8 Mission Support <small>OT01</small>				15,780	15,767	13			
Subtotal Multiple Outcomes Operating				\$ 38,217	\$ 36,020	\$ 2,197			
Subtotal Multiple Outcomes Line Item									
Total PHMC Proj Operating	\$ 341,145	\$ 313,454	\$ 27,691	\$ 183,217	\$ 175,492	\$ 7,725			
Total PHMC Line Items/Other							\$ 12,125	\$ 12,125	0

Note: SNF and NMS Funds include President's FY01 Supplemental Funding as approved 7-26-01.

[Status as of 8-20-01]

Note: "Funds" is expected funds.

MILESTONE PERFORMANCE

Milestones represent significant events in project execution. They are established to provide a higher level of visibility to critical deliverables and to provide specific status about the accomplishment of these key events. Because of the relative importance of milestones, the ability to track and assess milestone performance provides an effective tool for managing the PHMC EM cleanup mission.

FYTD milestone performance (Enforceable Agreement [EA], U.S. Department of Energy- Headquarters [DOE-HQ], and RL) shows that 45 milestones were completed on or ahead of schedule, 7 milestones were completed late, and 8 milestones are overdue. The eight overdue milestones are associated with six projects: Nuclear Material Stabilization (Section C: 1), Spent Nuclear Fuel (Section D), Science and Technology Activities (Section F), HAMMER (Section G), Landlord (Section H), and Mission Support (Section I).

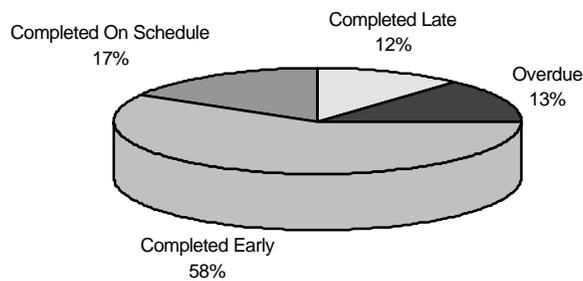
In addition to the FY2001 milestones described above, there is one overdue milestone [Waste Management (Section B: 1)] from FY1999. Further details regarding this milestone may be found in the referenced Project Section.

FY 2001 information is depicted graphically on the following page. For additional details related to the data and prior year milestones, refer to the relevant project section titled "Milestone Exception Report." FY 2001 information reflects the Phase 1 MultiYear Work Plans (MYWPs). Changes in both the number and type of milestones from month to month are the result of Baseline Change Requests (BCRs) approved during the year.

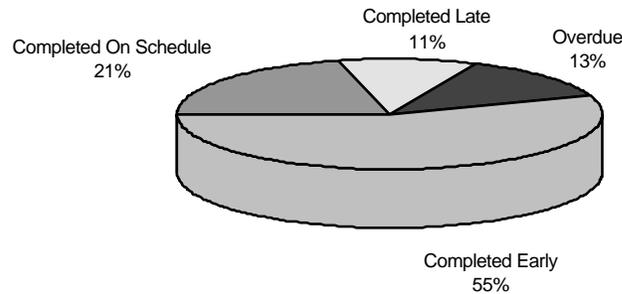
TOTAL ALL HANFORD PROJECTS MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2001
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	9	0	2	0	0	0	0	11
DOE-HQ	0	0	0	2	0	2	0	4
RL	26	10	5	6	1	24	0	72
Total Project	35	10	7	8	1	26	0	87

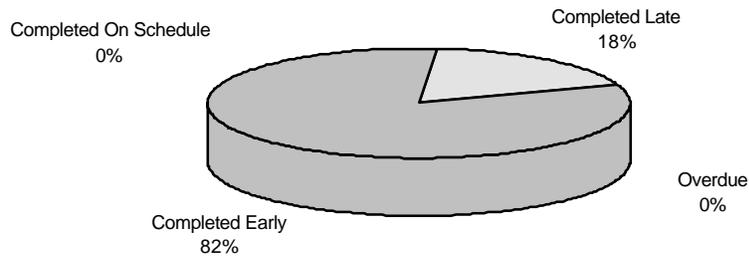
Total Project (FYTD)



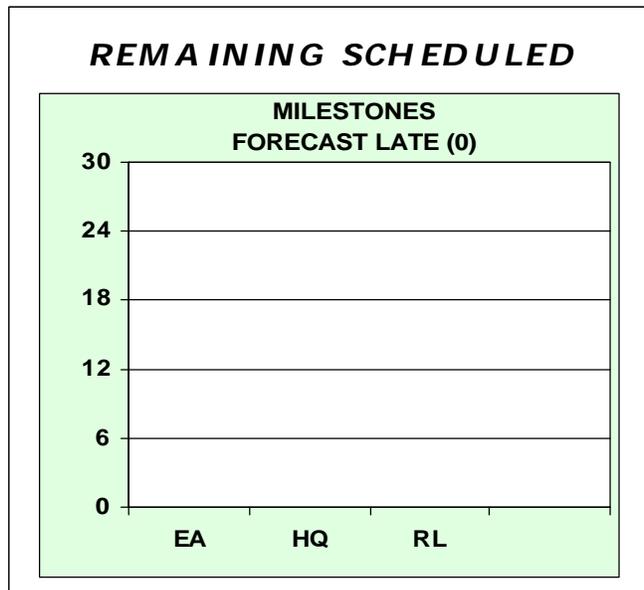
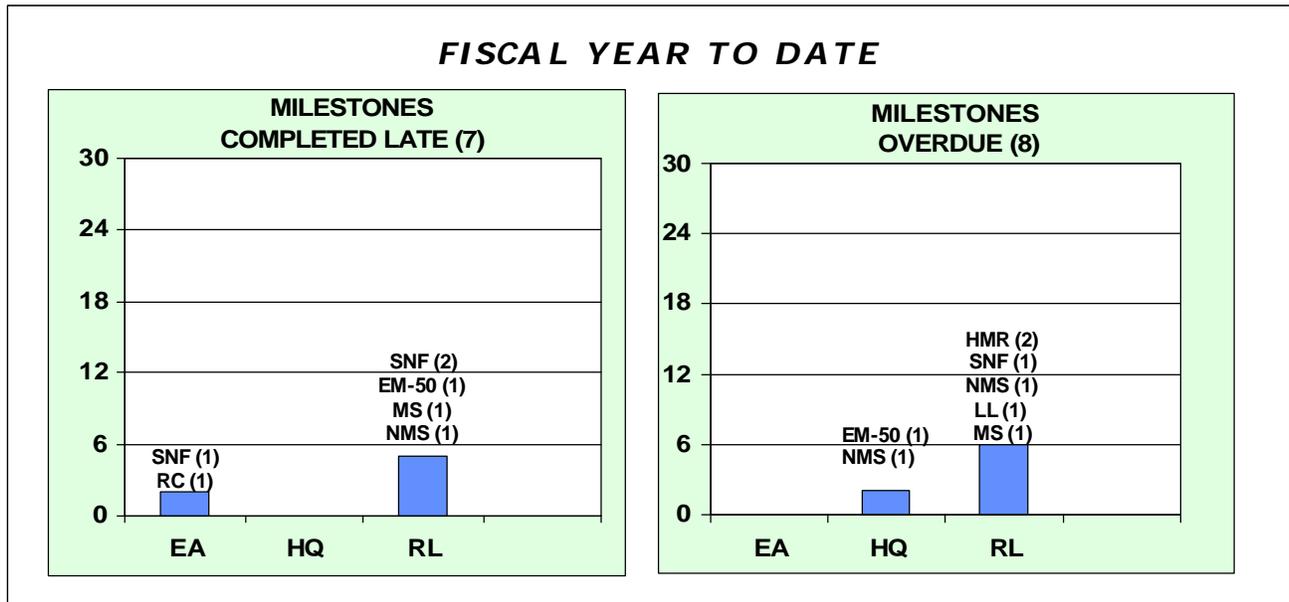
RL



Enforceable Agreement



MILESTONE EXCEPTIONS



These charts provide detail by project and milestone level / type for milestones

- Completed Late
- Overdue
- Forecast Late

- Detailed information can be found in the individual project sections

SAFETY OVERVIEW

The focus of this section is to document trends in occurrences. Improvements in these rates are due to the efforts of the PHMC workforce as they implement the Integrated ES&H Management System (ISMS), work towards achieving Voluntary Protection Program (VPP) "star" status, and accomplish work through Enhanced Work Planning (EWP). Safety and health statistical data is presented in this section.

Significant Safety and Health Events

PHMC Level

Occupational Safety & Health Administration (OSHA) Recordable Case Rate: The FH OSHA Recordable Case Rate remains stable at 1.5 cases per 200,000 hours. All FH Team projects have commenced injury reduction efforts to address lacerations and ergonomic injuries.

Lost Away Workday Case Rate: The current safe work hour count for the FH Team is 4,509,820. The November 2000 subcontractor case that was reclassified from lost restricted to lost away on June 4, 2001 has been removed from the chart. Further investigation revealed the case was not work related. As a result, the baseline average was revised and fit from February 2000 through February 2001 at 0.05 cases per 200,000 hours.

U.S. Department of Energy (DOE) Safety Cost Index: There was a statistically significant increase in the FH DOE Safety Cost Index March and April 2001 data, due to the accumulation of additional restricted workdays. The baseline continues to be adjusted due to additional days gained on cases during the baseline time interval. The Cost Index remains considerably below the goal of 8.0.

Project Level

The **Waste Management Project (WMP)** has exceeded 2.6 million work hours without a lost away workday case. The WMP OSHA Recordable Case Rate remains stable at 1.8 cases per 200,000 hours. The WMP is addressing injury reduction issues in its Employee Zero Accident Councils.

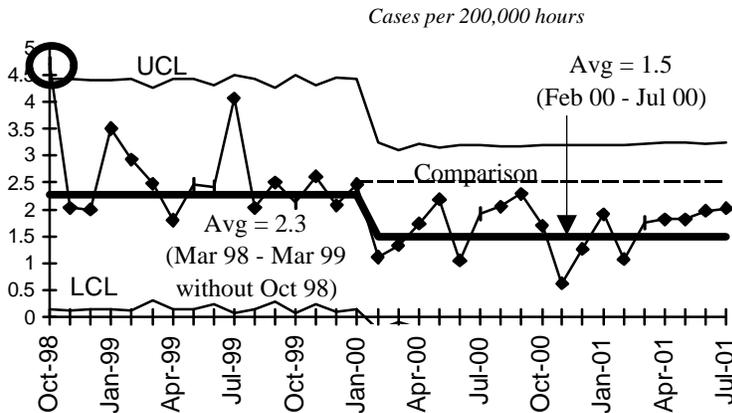
The **Nuclear Material Stabilization Project (NMSP)** has achieved 2 million safe work hours since the last lost away workday case. There has been an increase in the NMSP OSHA Recordable Case Rate this fiscal year, and it has stabilized at 2.4 cases per 200,000 hours. Actions to improve the rate are being taken by facility management, as assisted by findings in the recent NMSP Facility Evaluation Board.

The **River Corridor Project (RCP)** has exceeded 1.8 million hours since the last lost away workday case. If the RCP OSHA Recordable Case Rate remains at zero for the next three months it will be a statistically significant improvement. The RCP VPP application has been received by DOE-HQ and an on-site review team is being assembled. RCP management anticipates on-site review will occur in late September or early October.

The **Spent Nuclear Fuel Project (SNFP)** exceeded 3 million safe work hours during July 2001. The SNFP OSHA Recordable Case Rate for FY 2001 to date has been favorable and has a statistically significant reduction. The chart has been rebaselined to an average rate of 1.0.

Due to space constraints, FY 1996 through FY 1998 data is not portrayed on the following graphs.

Total OSHA Recordable Case Rate



FY 2000 = 1.9
FY 2001 to date = 1.6
Contractor Comparison
Average = 2.5 (CY00)

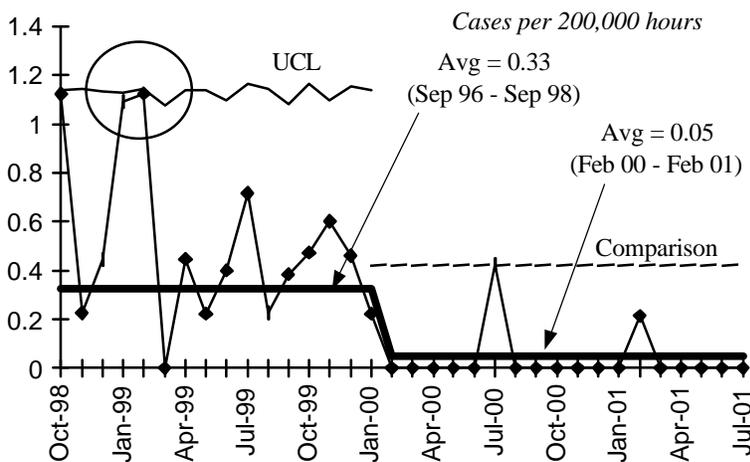
Recent data have been stable within the 1.5 baseline. The FH Team continues to look for opportunities for injury reduction in the areas of ergonomics and lacerations.

FH implemented a program to target an OSHA Recordable Case Rate of 0.9. The Fluor Global Services goal is 0.9.

This goal is in line with Fluor's corporate value of safety and our commitment to the safe clean-up of the Hanford Site. Progress is being seen as the team continues to work on Health Physics Technician ergonomics, focusing upon work practices and equipment. A current primary source of injuries is cuts and lacerations, and efforts are beginning to be made to raise the alertness of the workforce to this issue.

The Department of Energy complex-wide rates for DOE contractors are used as comparisons on these charts.

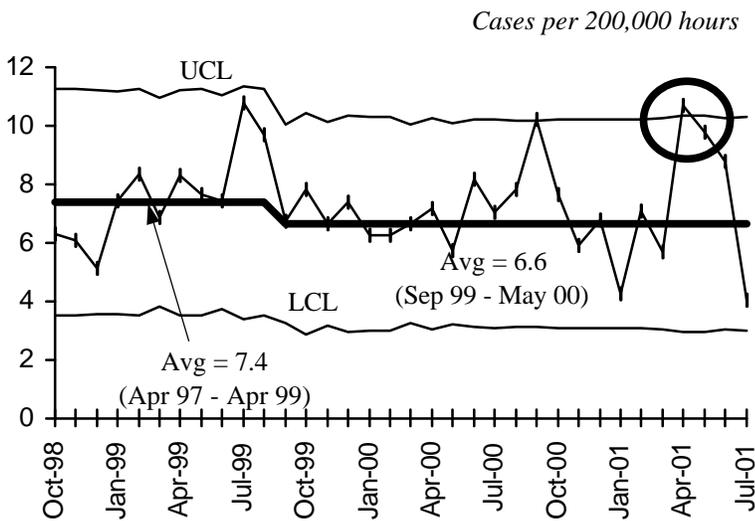
OSHA LOST AWAY WORKDAY CASE RATE



FY 2000 = 0.18
FY 2001 to date = 0.02
Contractor Comparison Average = 0.42 (CY00)

The current safe work hour count for the FH Team is 4,509,820. The November 2000 subcontractor case that was reclassified from lost restricted to lost away on June 4, 2001, has been removed from the chart. Further investigation revealed the case was not work related. As a result, the baseline average was revised and fit from February 2000 through February 2001 at 0.05 cases per 200,000 hours.

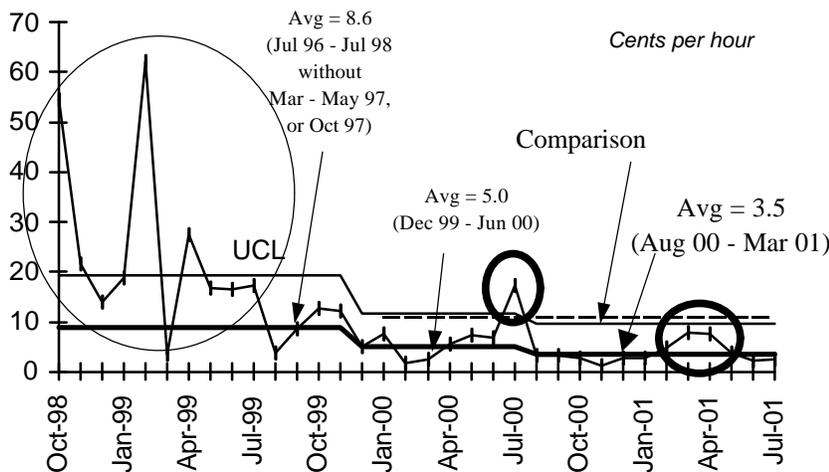
FIRST AID CASE RATE



First Aid Rate undergoes seasonal cycles. Increases occur in warmer weather due to insect and animal encounters, and due to wind related minor injuries. Such an increase has occurred this Spring. Hanford is especially susceptible to wind borne debris injuries due to the site wildfire last summer. First Aid case rate has remained relatively stable, a good indicator that injuries are not being under-reported.

Fiscal year calculations are not included as DOE does not publish a comparison rate, and comparisons of partial fiscal year data to prior years would not be appropriate due to the cyclical trend in the data.

DOE SAFETY COST INDEX

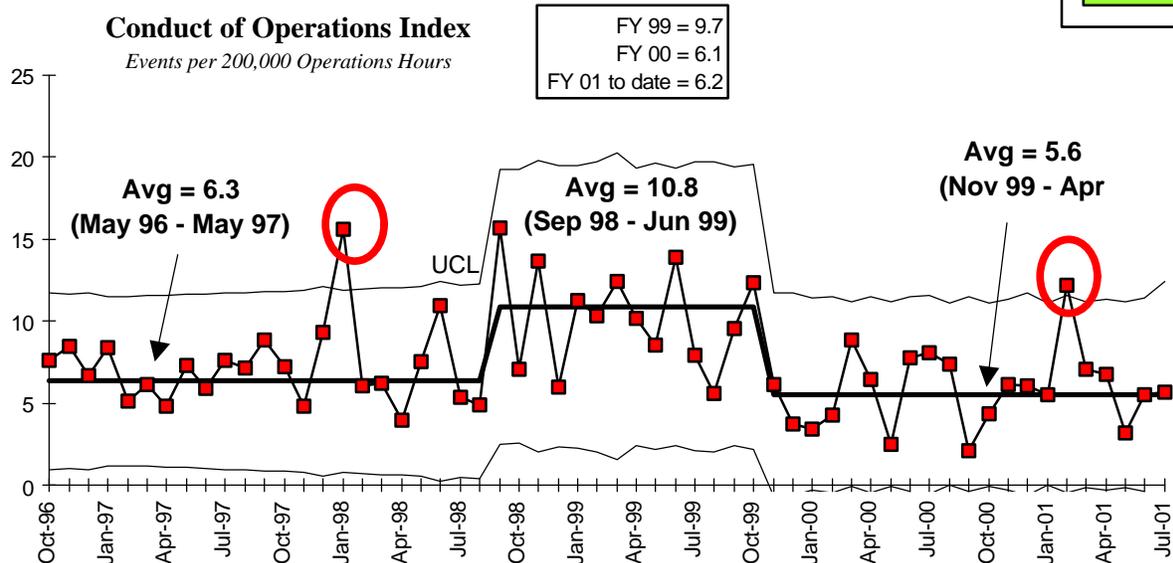


FY 2000 = 7.0
 FY 2001 to date = 3.8
 Contractor Comparison Average = 10.8 (CY00)
 There was a statistically significant increase in the FH DOE Safety Cost Index March and April 2001 data, due to the accumulation of additional restricted workdays. The current performance is well below DOE average, and the historical 8.0 goal for this indicator.

Past data continue to be corrected as further days accumulate on any work restrictions or lost days.

CONDUCT OF OPERATIONS / ISMS STATUS

Green



ISMS STATUS

Green

The **Waste Management Project (WMP)** Voluntary Protection Plan (VPP) Steering Committee completed an employee survey concerning implementation of VPP tenets across the project. The data from the survey was collected, and provided to FH Safety personnel for statistical evaluation and the development of graphic displays of the information. Two members of the VPP Steering Committee attended the national VPP Participants Association conference August 27-30, 2001, to obtain information and ideas about VPP implementation strategies being used across the DOE complex as well as in commercial industry.

The **River Corridor Project (RCP)** ISMS "Sustain and Maintain" process is in place. RCP is supporting the update of the FH annual ISMS training module and development of an ISMS/VPP Communications Plan through the ISMS Center of Expertise. The Voluntary Protection Program (VPP) application was received by the Department of Energy Headquarters (DOE-HQ). A team has been assembled to conduct a detailed review of the application document and then to conduct the on-site review, tentatively scheduled for early October.

Spent Nuclear Fuel Project personnel continue to demonstrate a commitment to ISM in "Doing Work Safely." Several examples of this include:

- Initiated and conducted an independent assessment of the Enhanced Work Planning process to identify opportunities for improvement.
- Implemented a priority system to accomplish work that focuses on corrective maintenance necessary to continue facility operation and preventive maintenance to support the facility authorization basis.
- Working to the Facility Managers goals in the Engineering, Planning, Work Control and Maintenance organizations.
- Achieved over three million safe work hours through July 2001.
- Conducted a "Time Out for Safety" following the completion of the second maintenance outage.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Canister Monitoring System Test — NMS successfully demonstrated the technical basis of the Canister Monitoring System by coupling magnetic pressure sensors with radio frequency tagging technology on July 17. This demonstration confirmed the system's ability to (1) accurately read internal 3013 container pressure changes, (2) transmit wireless data to a remote computer, and (3) measure electronic and 3013 container internal and external temperature changes.

New hot plate design $\frac{3}{4}$ A procurement contract was placed with Bellhaven to provide an improved hot plate for use in the 230-C-2 glovebox. A new design, to improve the reliability of the hot plate and drying of the precipitate, has been developed and a prototype is in fabrication for testing at PFP. The prototype is now scheduled to be available by mid August 2001.

Technical Review of 327 Hot Cell Removal — Technology Management, supported by RCP, completed a review of the feasibility of intact (monolithic) removal of the hot cells from the 327 Facility. The review team found the concept of intact removal to be feasible, and potentially had significant As Low As Reasonably Achievable (ALARA), cost, and schedule benefits. FH prepared and issued the *327 Building Stabilization Science and Technology Plan*, to RL via letter on July 3, 2001. According to the report, the review team has high confidence that intact removal of the 327 Building hot cells is technically viable and provides a more desirable end state than the existing baseline. Analysis of implementation risks and estimated costs show that the risks of intact cell removal are no greater than the existing baseline and have the benefit of reducing the baseline cost by \$2M to \$4M. The plan identifies the schedule for identifying technologies to support intact hot cell removal.

Permit By Rule Treatment at 300 Area TEDF — FH is investigating the potential to treat limited categories of liquid non-radioactive hazardous wastes using the existing capabilities of the 300 Area TEDF by applying a permit exclusion available within the waste regulations. Treatment of hazardous wastes at TEDF could provide a low-cost option for disposal of some wastes currently sent off-site. The regulatory analysis is complete, and for the next two months the benefits and site needs for waste treatment will be compared against the costs and risks of implementing the treatment. A decision on whether to proceed will be made during the first quarter of FY2002.

SNF Accelerated Closure Team (ACT) — Potential breakthroughs continue to be actively analyzed to reduce MCO drying requirements and to determine the thermal stability of alternate "wet" sludge storage alternatives.

MCO Production Rate Improvements $\frac{3}{4}$ The newly installed manual process tables began operation on July 31, 2001. Evaluation of the effects of these manual process tables on the production rate will be conducted during the processing of the next five MCOs to allow the learning curve to stabilize and a more accurate determination to be made. An improvement in the average production rate of up to 30 percent is expected. When this improvement is realized, MCO production capacity from K West Basin will be sufficient to meet all production requirements.

Opportunities for Improvement

Conduct of Operations Improvement Initiative - RCP has initiated a Conduct of Operations Improvement Plan to improve organizational performance, and to create a culture change regarding effective implementation of Conduct of Operations principles. The initiative will extend to all RCP facilities and include operations, maintenance, engineering, and radiological control. The improvement initiative will extend over an eight-month period with completion scheduled for March 2002.

ISSUES

PFP Non-destructive Assay (NDA) Program Suspension — The Nondestructive assay (NDA) calculation of plutonium concentrations in packaged waste has recently come under question. FH, Bechtel Hanford, and RL continue to address this issue. At this time approximately two hundred forty (240) items have been reanalyzed and recalculated. An additional four hundred items are expected to undergo a second non-destructive assay by September 14, 2001. Characterization activities at RCP's 224-T and 231-Z facilities are impeded by the suspension of the NDA program at the Plutonium Finishing Plant (PFP). The PFP program has been suspended due to problems associated with specific plutonium value calculations resulting from NDA measurements. These delays impact Master Documented Safety Analysis development, Fire Hazards Analysis, and Emergency Planning Hazard Analysis. These activities tie into the Safety Analysis Report compliance issues per the 830 Rule. In addition, there is a potential cost impact if an outside organization is used. RCP is currently waiting for release of available NDA program by either PFP or PNNL. Release is expected to be dependent on some level of implementation of the recommended corrective actions as published in the recent study titled "Recommendations for Fluor Hanford Non-Destructive Assay Program Management" (draft – August 13, 2001).

Water tower cost and schedule impacts — Uranium contamination was found on the 3902A and 3902B water towers, which may create cost and schedule impacts (due to a need to bury the materials rather than recycle). Size reduction activities are under way.

303-K demolition cost impacts — Soil contamination in the vicinity of the 303-K water isolation valve exceeds the NOC permit. 303-K demolition may have to proceed around the water line, which could have a cost impact. Work is proceeding along two parallel paths:

- 1) Modifying the 303-K demolition NOC to allow excavation of the affected soil. Modification of the NOC has been transmitted to RL for subsequent transmittal to the Department of Ecology.
- 2) Advising the demolition contractor of the potential requirement to avoid the water pipe while demolishing the building. The BHI demolition plan leaves the water line in place.

EM CORPORATE PERFORMANCE MEASURES

This information is provided quarterly.

EM MANAGEMENT COMMITMENT MILESTONES

DATA THROUGH JULY 2001

Milestones	Due Date	Forecast Date	Actual Date	Status / Comments
Nuclear Materials Stabilization				
Package plutonium alloys for disposition to WIPP or for long-term storage	6/30/01	On hold		Overdue
Complete brushing and repackaging of plutonium metal inventory	8/31/01	9/18/01		Behind Schedule
Complete repackaging and shipping of Rocky Flats ash to CWC	4/30/01	3/29/01	3/29/01	Complete
River Corridor				
Complete shipment of waste from B-Cell cleanout (M-89-02)	7/31/01	7/31/01	7/17/01	Complete
Spent Nuclear Fuels				
Remove first MCO from K-West Basin	11/30/00	12/7/00	12/7/00	Complete
Approve Construction of Alternate Fuel Transfer Strategy Basin mods	9/30/01	9/30/01		On Schedule
Waste Management				
Transmit T-Plant Sludge Storage Conceptual Design to Ecology	6/29/01	6/11/01	6/11/01	Complete

CRITICAL FEW PERFORMANCE INCENTIVES

The following table portrays the multi-year incentives. Specific current performance data can be found in the individual Project Sections.

PERFORMANCE MEASURES

Data Through
July 2001

Spent Nuclear Fuel:		
Measure – Transfer K-Basin Facility to River Corridor Contractor Remove spent fuel by July 31, 2004		Green
300 Area Cleanup:		
Measure – Accelerate 300 Area cleanup		Green
Measure – Support River Corridor Project contract transition		Green
200 Area Facility Disposition:		
Measure – Disposition surplus buildings and rolling stock		Green
Waste Management:		
Measure – Treat and Dispose MLLW		Green
Measure – Certify TRU waste and ship to WIPP		Green
Measure – Complete physical activities necessary to store K-Basins sludge at T-Plant		Green
Measure – Complete contractor readiness assessment (T-Plant)		Green
Measure – Prepare T-Plant to support M-91 activities		Green
Plutonium Stabilization:		
Measure – Pu metal/oxides/other types dispositioned All Pu bearing materials stabilized by May 31, 2004		Green
Measure – PFP Deactivation		Green

KEY INTEGRATION ACTIVITIES

The following are the key technical integration activities that are currently underway and cross project/contractor lines. These activities are being addressed by inter-discipline and inter-project groups and demonstrate that Hanford Site contractors are working together to accomplish the EM Clean up mission.

- PFP is working with General Electric (GE) Vallecitos on a plan to transport a fuel pin to Hanford. This will assist GE Vallecitos with the final step in their nuclear material deinventory. A conference call to determine packaging requirements for shipment is scheduled for August 23, 2001.
- PFP coordination with Lawrence Livermore National Laboratory (LLNL) to ship requested oxide material (81 kg) to that facility continues. A final determination of the material LLNL is requesting is still being negotiated. The shipper/receiver plan was submitted to LLNL for review. A meeting between RL, LLNL, and PFP to finalize transportation, container, and shipping agreements is tentatively scheduled for late September 2001.
- Thermal stabilization of high chloride oxides will likely require a pretreatment to remove the chlorides. PNNL had been reviewing treatment methods and has presented a cool air quench recommendation for the off-gas. PNNL's request for funding (\$100K) from the Nuclear Material Focus Area has been approved and plans for testing are proceeding.
- Activities continued for potential receipt of SNF that may be discovered by Bechtel Hanford Inc. during upcoming 105F and 105H reactor basins deactivation at K Basins (*no change from last month*).
- The Sludge Handling Project and T Plant Operations continued preparations for K Basin sludge storage at T Plant (*no change from last month*).

UPCOMING PLANNED KEY EVENTS

The following key events are extracted from the authorized baseline and are currently expected to be accomplished during the next several months. Most are Enforceable Agreement (EA), HQ or DNFSB Milestones.

Waste Management

Accelerate Readiness to Receive Spent Nuclear Fuel K Basin Sludge - 1) Complete Contractor ORR, 2) complete removal of four pieces of major equipment, and 3) initiate T Plant Canyon cell cleanout.

MLLW Treatment - ATG is continuing preparations for its thermal treatment unit Demo Tests.

TRU Waste Retrieval - Mobilizing for in-trench start August 27, 2001. Re-planning buried drum start-up based on Safety Evaluation Report (SER) conditions. March 2002 remains the target date.

TRU Recertification Audit - Respond as required to the Carlsbad DOE review of the corrective action plans prepared in response to the Recertification Audit.

TRU NDA Performance Demonstration Program (PDP) Cycle - The WIPP NDA PDP cycle is underway at the Waste Receiving and Processing (WRAP) facility. The report of NDA results is due to be submitted by August 31, 2001.

Liquid Waste Processing - Continue groundwater processing at the 200 Area Effluent Treatment Facility.

Nuclear Materials Stabilization (NMS) Project Support - Continue to receive waste in support of Hanford ash processing through November 2001.

Support to RCP - Continue shipment and placement of D Cell Hittman liners from the 324 Facility in the Low Level Burial Ground (LLBG). Support the removal of a Curium/Americium source from the 327 Facility. Support completion of the uranium disposition projects. Support removal of the water towers and disposal of the 303K building.

Waste Encapsulation and Storage Facility (WESF) Operations - Complete Hot Cell lay-up in September 2001. Begin capsule etching in October 2001.

Land Disposal Restrictions (LDR) Report - The Washington State Department of Ecology (Ecology) extended its comment period on the Report under the Tri-Party Agreement by 45 days and comments are now expected in late September. A lengthy Ecology LDR audit is currently beginning and is projected to last into October. WMP support will be required for this effort, although the focus and scope of the audit has not yet been communicated by Ecology.

Nuclear Materials Stabilization

Disposition of Nuclear Material - Complete Project W-460 construction activities by October 1, 2001. Complete hot startup of the 2736-ZB Stabilization and Packaging System (W-460) by November 12, 2001.

Oxides/Metals - Complete stabilization and repackaging of Pu metals and oxides in 3013 outer cans by August 31, 2001.

River Corridor Project

Uranium Disposition - The miscellaneous uranium scrap materials, approximately five metric tons, will be transferred to the Low-Level Burial Ground by September 30, 2001. In addition, the final disposition of thorium materials located within the 303-K Facility will be completed by September 30, 2001.

324 Building - Complete D Cell and begin clean-out of pipe trench to include the placement of the robot by September 30, 2001.

327 Authorization Basis (AB) - Implementation of the technical update of the 327 Authorization Basis (originally due in May 2001) was slipped to the end of Fiscal Year (FY) 2001, due to resource limitations created by the new requirements of the 10CFR830 Nuclear Safety Rule.

300 Area Skyline Initiative - Demolish 303-K and complete disposition of the water towers by September 30, 2001.

Spent Nuclear Fuels

MCO shipments - Continue MCO shipments through FY 2001.

Canister cleaning operations - Initiate KW Basin spent nuclear fuel canister cleaning operations in September 2001.

Shippingport SNF - Complete Standard Startup Review for Shippingport SNF receipt and storage at CSB and receive all Shippingport Canisters by September 2001. Initiate Shippingport fuel shipments to the CSB in November 2001.

Start of Construction - Approve Start of Construction for the K East and K West Basin facility modifications for Accelerated Fuel Transfer Strategy by September 2001.

Revised transition plan - Issue revised transition plan for the Sludge Handling Project by September 2001.

Landlord

Project L-310 - Complete Construction of Project L-310, "Distribution Water Line," by August 31, 2001.

River Corridor Project

Uranium Disposition - The miscellaneous uranium scrap materials, approximately five metric tons, will be transferred to the Low-Level Burial Ground by September 30, 2001. In addition, the final disposition of thorium materials located within the 303-K Facility will be completed by September 30, 2001.

324 Building - Complete D Cell and begin clean-out of pipe trench to include the placement of the robot by September 30, 2001.

327 Authorization Basis (AB) - Implementation of the technical update of the 327 Authorization Basis (originally due in May 2001) was slipped to the end of Fiscal Year (FY) 2001, due to resource limitations created by the new requirements of the 10CFR830 Nuclear Safety Rule.

300 Area Skyline Initiative - Demolish 303-K and complete disposition of the water towers by September 30, 2001.

Spent Nuclear Fuels

MCO shipments - Continue MCO shipments through FY 2001.

Canister cleaning operations - Initiate KW Basin spent nuclear fuel canister cleaning operations in September 2001.

Shippingport SNF - Complete Standard Startup Review for Shippingport SNF receipt and storage at CSB and receive all Shippingport Canisters by September 2001. Initiate Shippingport fuel shipments to the CSB in November 2001.

Start of Construction - Approve Start of Construction for the K East and K West Basin facility modifications for Accelerated Fuel Transfer Strategy by September 2001.

Revised transition plan - Issue revised transition plan for the Sludge Handling Project by September 2001.

Landlord

Project L-310 - Complete Construction of Project L-310, "Distribution Water Line," by August 31, 2001.