

Memorandum

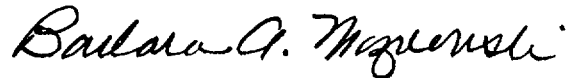
Ohio Field Office
West Valley Demonstration Project

DATE: December 9, 1999

SUBJECT: West Valley Demonstration Project (WVDP) September 1999 Progress Report

TO: Mark E. Rawlings
DOE-HQ, EM-31, 1188/CLOV

Attached is the WVDP Progress Report for September 1999. Any questions regarding the information contained therein can be directed to Lisa Maul at (716) 942-2163.



Barbara A. Mazurowski, Director
West Valley Demonstration Project

Attachment: WVDP Progress Report September 1999

cc: J. J. Fiore, DOE-HQ, EM-30, 5B-050/FORS, w/att.
W. E. Murphie, DOE-HQ, EM-31, 2177/CLOV, w/att.
S. R. Brechbill, OH/OOM, OSE, Room 419, w/att.
R. D. Folker, OH/OOM, OSE, Room 410, w/att.
P. W. Greenwalt, OH/CFO, OSE Room 410, w/att.
P. S. Van Loan, OH/CFO, OSE, Room 351, w/att.
J. D. Parrott, NRC, TWFN, Room 8 C30, MS-8 F37, w/att.
B. C. Bower, OH/WVDP, WV-DOE, w/att.
W. F. Hamel, OH/WVDP, WV-DOE, w/att.
T. J. Jackson, OH/WVDP, WV-DOE, w/att.
E. A. Lowes, OH/WVDP, WV-DOE, w/att.
B. A. Mazurowski, OH/WVDP, WV-DOE, w/att.
H. R. Moore, OH/WVDP, WV-DOE, w/att.
D. W. Sullivan, OH/WVDP, WV-DOE, w/att.
H. A. Jack, NYSERDA-Albany, w/att.
P. L. Piciulo, NYSERDA, WV-17, w/att.
J. Pitkin, NYSERDA-Albany, w/att.

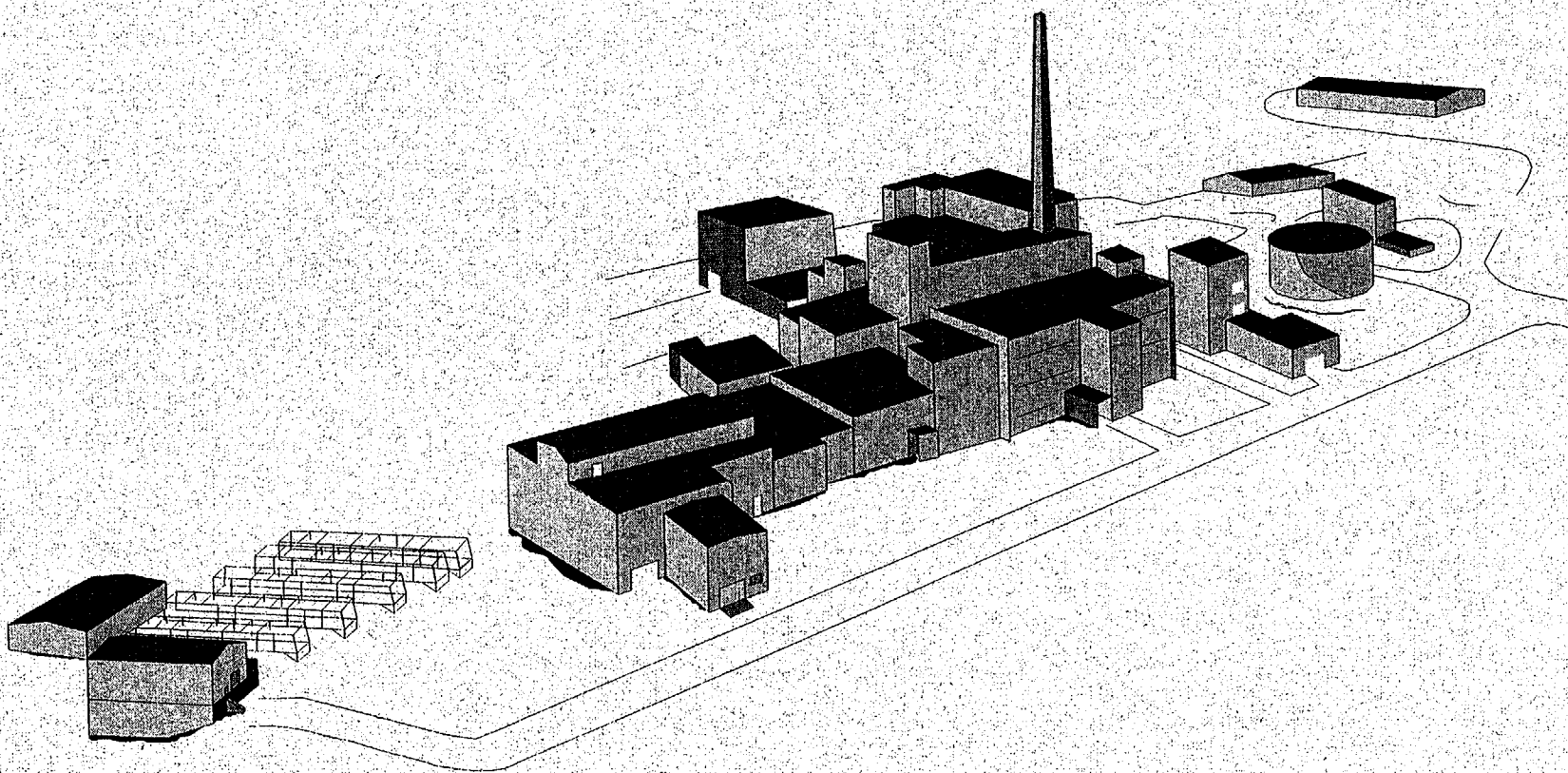
LMM:052 - 68770 - 237.2

LMM/sdm

NIMSSOI Public



West Valley Demonstration Project Progress Reports September 1999



**West Valley Demonstration Project
Progress Report
September 1999**

Table of Contents

Page

Contract Information and Objective	1
Narrative Highlights and Assessments	
Overall Project Assessment	2
1.1 High Level Waste	4
1.2 Waste Disposition	6
1.3 Site Disposition/Footprint Reduction	8
1.4 Site Support/Administration	10
Cost Performance Report (WBS)	13
Budget Plan (TPCE)	14
WVDP TPCE Reserves Status Summary	16
WVDP Financial Report	17
WVNS Monthly Earned Value Summary by PBS Report	19
WVDP Milestone Listing	20
FY1999 Labor Summary (WVNS)	25

PROGRESS REPORT

Report No. 203
Reporting Period: September 1999

CONTRACT TITLE AND NUMBER: West Valley Demonstration Project
Operating Contract
DE-AC24-81NE44139

CONTRACTOR NAME: West Valley Nuclear Services Company
10282 Rock Springs Road
West Valley, New York 14171-9799

CONTRACT PERIOD: October 1, 1994 - September 30, 2001

CONTRACT OBJECTIVE: The West Valley Demonstration Project (WVDP) Act (Public Law PL 96-368) states that the Secretary of the Department of Energy (DOE) shall carry out a high level radioactive waste management demonstration project at the Western New York Nuclear Service Center in West Valley, New York, for the purpose of demonstrating solidification techniques which can be used for preparing high level radioactive waste (HLW) for disposal. The Act states that:

1. The Secretary shall solidify, in a form suitable for transportation and disposal, the HLW at the Center by vitrification or by such other technology which the Secretary determines to be most effective for solidification.
2. The Secretary shall develop containers suitable for the permanent disposal of the HLW solidified at the Center.
3. The Secretary shall, as soon as feasible, transport, in accordance with applicable law, the waste solidified at the Center to an appropriate Federal repository for permanent disposal.
4. The Secretary shall, in accordance with applicable licensing requirements, dispose of low level radioactive waste (LLW), and transuranic waste (TRU) produced by solidification of HLW under the Project.
5. The Secretary shall decontaminate and decommission (D&D) - (A) the tanks and other facilities of the Center in which the HLW solidified under the project was stored, (B) the facilities used in the solidification of the waste, and (C) any material and hardware used in connection with the project, in accordance with such requirements as the Commission (NRC) may prescribe.

West Valley Nuclear Services Company (WVNS), as DOE's management and operating contractor under a performance-based contract, will perform day-to-day activities at the existing WNYNSC site, maintain the existing facilities to DOE standards, and will plan, design, construct, execute decontamination and decommissioning (D&D) projects, and operate the solidification system in accordance with DOE's directives.

Phase I of the Project's vitrification campaign commenced in 1996 and completed in 1998, ahead of schedule and under budget. The majority of the liquid HLW was processed and vitrified in canisters that are currently being maintained in on-site storage. The remaining sludge is currently being treated and the vitrification facility is expected to continue to be utilized through FY 2001 for the treatment of remaining HLW/High Activity Waste(HAW).

A Record of Decision (ROD) is expected to be finalized subsequent to a Final Environmental Impact Statement (FEIS) that will determine final disposition of facilities and closure of the site, thus defining the actions to fulfill the DOE's closure / completion responsibility per the WVDP Act.

NARRATIVE HIGHLIGHTS AND ASSESSMENT

Overall Assessment

Accomplishments/Status

Recovery efforts for the Vitrification Facility Concentrator Feed Makeup Tank (CFMT) bubbler probe back-up event continued throughout September. A series of line flushings to further reduce local and general area dose rates in the Middle West Operating Aisle (MWOA) and Lower West Operating Aisle (LWOA) were conducted. Removal of all flushing assemblies, and removal of CFMT and MFHT bubbler steam purge piping was planned. Contaminated piping was removed from the LWOA allowing routine access to the aisleway. The steam supply and condensate return piping were mechanically isolated from the rest of the vitrification facility steam and condensate systems. Bubbler probe #2 in the CFMT tank was replaced, and tubing and valves for probe sets #1 and #5 in the MFHT were successfully reinstalled and were brought back on line. Valve line-ups were completed as were melter start-up prerequisites, thereby allowing resumption of operations.

Progress began again in September toward resuming HLW tank heel removal. Zeolite transfers from HLW tank 8D-1 to tank 8D-2 resulted in a FY 1999 total of approximately 508,054 curies transferred. The Ohio Strategic Plan Management Commitment Milestone #21 to transfer 400,000 curies of Cs-137 by Sept. 30, 1999 was completed on July 23, 1999. Ohio Strategic Plan Management Commitment Milestone #22e to transfer 500,000 curies from HLW Tank 8D-2 to the Vit Facility by Sept. 30, 1999 was missed due to the off-normal event in August.

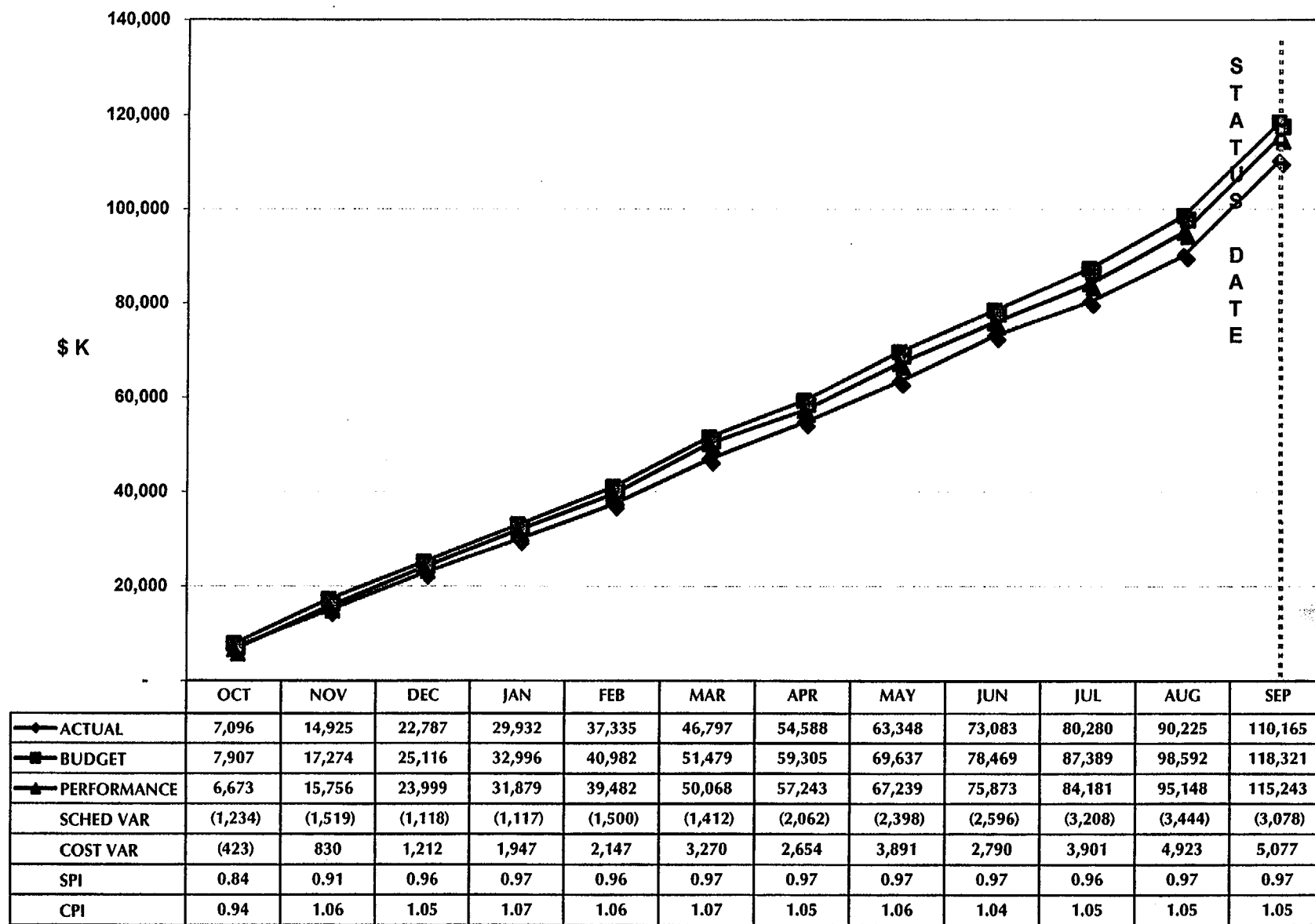
The HLW Melter continued in idle mode during most of September due to an off-normal event that occurred in early August. Twelve (12) canisters were completed in FY 1999 (Ohio Strategic Plan Management Commitment Milestone #34e was for the production of 15 HLW Canisters in FY99). There are 238 canisters stored in the High Level Waste Interim Storage Facility and an additional 3 stored in the melter turntable for a total of 241 canisters produced as of the end of September 1999 (Ohio Strategic Plan Management Commitment Milestone #34f is for the storage of 244 HLW Canisters by the end of FY1999). The average canister fill height for FY1999 is 91.4%, exceeding the Waste Acceptance Criteria (WAC) minimum requirement of 80% for disposal at the Federal Repository.

The Ohio Strategic Plan Management Commitment Milestone #23 to ship off-site 15,000 cubic feet (425 cubic Meters) of Class A Low Level Waste for disposal by Sept 30, 1999 was completed on May 6, 1999. Thirty-seven waste shipments for a cumulative total of 35,630 cubic feet (1010 cubic meters), were completed in FY1999, thus accomplishing the stretch goal of 35,000 cubic feet shipped for disposal in FY1999.

As part of DOE's effort to further evaluate possible Environmental Impact Statement closure scenarios, a public demonstration was held on September 21, 1999, to test a potential application of a grout mixture for managing radioactive wastes in place. The grout was poured into a large tank containing non radioactive debris to simulate how this approach might apply if it were selected in closing the Process Building or high-level waste tanks. This was the first of a two-part test designed to show that this grout mixture is easily "reversible" (i.e., retrievable) after it has been poured. The second part of this test, the retrievability of the grout, is planned for mid-October.

Assessment/Actions

The Project had no appreciable schedule or cost variance through September, 1999; 97% of work planned was performed at 93% of planned costs.

1 - WEST VALLEY DEMONSTRATION PROJECT

NARRATIVE HIGHLIGHTS AND ASSESSMENT

1.1 High-Level Waste

Accomplishments/Status

Recovery efforts for the Vitrification Facility Concentrator Feed Makeup Tank (CFMT) bubbler probe back-up event continued throughout September. A series of line flushings to further reduce local and general area dose rates in the Middle West Operating Aisle (MWOA) and Lower West Operating Aisle (LWOA) were conducted. Removal of all flushing assemblies, and removal of CFMT and MFHT bubbler steam purge piping was planned. Contaminated piping was removed from the LWOA allowing routine access to the aisleway. The steam supply and condensate return piping were mechanically isolated from the rest of the vitrification facility steam and condensate systems. Bubbler probe #2 in the CFMT tank was replaced, and tubing and valves for probe sets #1 and #5 in the MFHT were successfully reinstalled and were brought back on line. Valve line-ups were completed as were melter start-up prerequisites, thereby allowing resumption of operations.

Progress began again in September toward resuming HLW tank heel removal. Zeolite transfers from HLW tank 8D-1 to tank 8D-2 resulted in a FY 1999 total of approximately 508,054 curies transferred. The Ohio Strategic Plan Management Commitment Milestone #21 to transfer 400,000 curies of Cs-137 by Sept. 30, 1999 was completed on July 23, 1999. Ohio Strategic Plan Management Commitment Milestone #22e to transfer 500,000 curies from HLW Tank 8D-2 to the Vit Facility by Sept. 30, 1999 was missed due to the off-normal event in August.

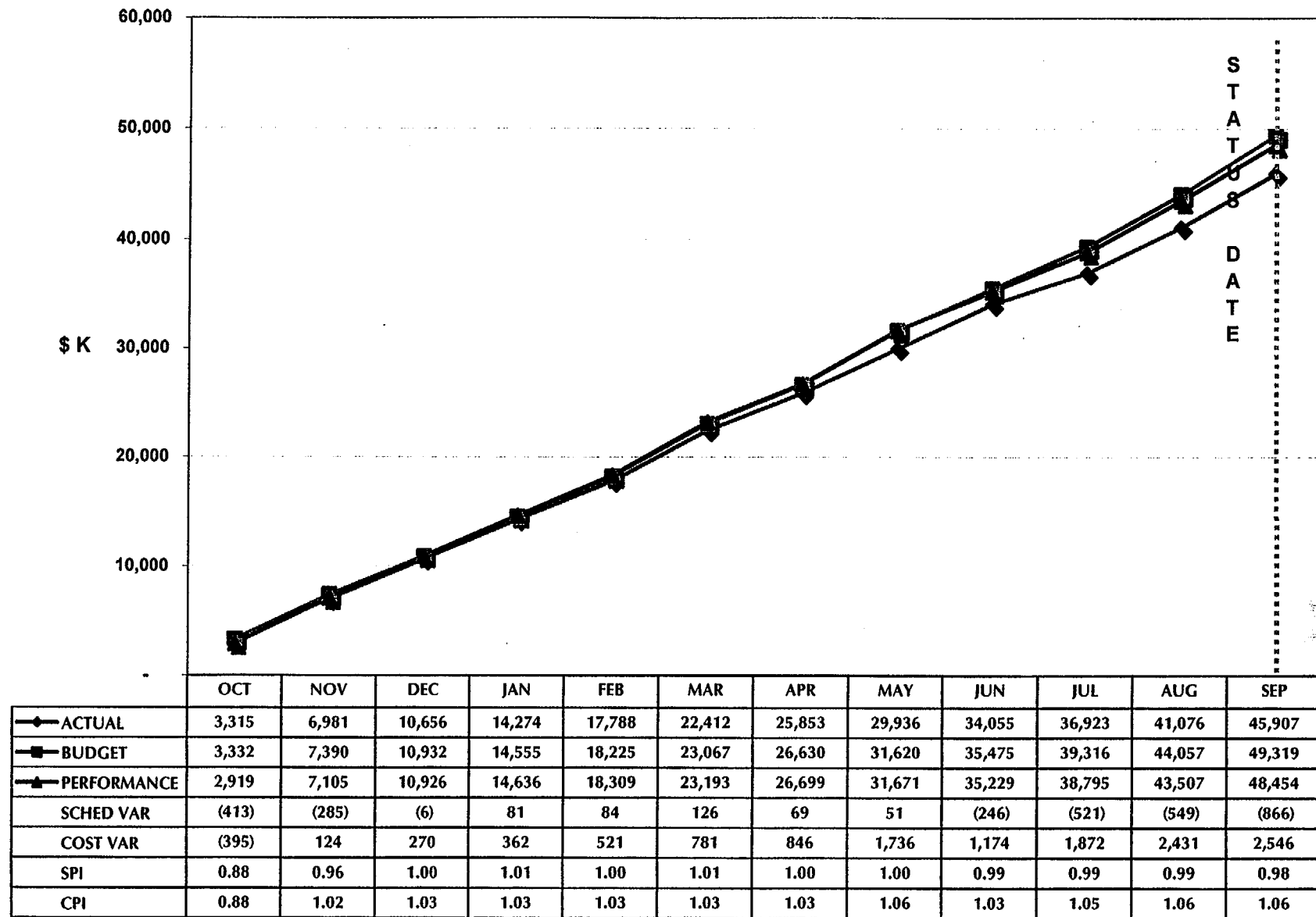
The HLW Melter continued in idle mode during most of September due to an off-normal event that occurred in early August. Twelve (12) canisters were completed in FY 1999 (Ohio Strategic Plan Management Commitment Milestone #34e was for the production of 15 HLW Canisters in FY99). There are 238 canisters stored in the High Level Waste Interim Storage Facility and an additional 3 stored in the melter turntable for a total of 241 canisters produced as of the end of September 1999 (Ohio Strategic Plan Management Commitment Milestone #34f is for the storage of 244 HLW Canisters by the end of FY1999). The average canister fill height for FY1999 is 91.4%, exceeding the Waste Acceptance Criteria (WAC) minimum requirement of 80% for disposal at the Federal Repository.

Head End Cell work to remove contaminated debris from the plant, continues as Hot Cells Services completed the removal of the cold side shield glass from the Process Mechanical Cell (PMC) B and C Windows. The windows have been sent back to Hot Cells facility in the state of Washington for polishing. Preparatory work associated with the removal of the PMC B window assembly has been initiated.

Fabrication of the mock-up of the General Purpose Cell Crane Room was completed in the Vitrification Test Facility. Initially, this mock-up will be used to determine the techniques to decontaminate the room and install shielding to reduce the personnel exposure for the repair of the shield door. The mock-up will also be used to develop methods to repair the door to reduce the overall personnel exposure for the job.

Assessment/Actions

High Level Waste incurred no appreciable schedule or cost variance through September, 1999; 98% of planned work was performed at 93% of the planned cost.

101 - HIGH-LEVEL WASTE (HLW)

NARRATIVE HIGHLIGHTS AND ASSESSMENT

1.2 Waste Disposition

Accomplishments/Status

The Ohio Strategic Plan Management Commitment Milestone #23 to ship off-site 15,000 cubic feet (425 cubic Meters) of Class A Low Level Waste for disposal by Sept 30, 1999 was completed on May 6, 1999. Thirty-seven waste shipments for a cumulative total of 35,630 cubic feet (1010 cubic meters), were completed in FY1999, thus accomplishing the stretch goal of 35,000 cubic feet shipped for disposal in FY1999.

As part of the Spent Nuclear Fuel (SNF) shipping efforts, a meeting has been arranged with senior level management of the U.S. Nuclear Regulatory Commission (NRC) for October 15, 1999, to discuss shipment of spent fuel using the Transnuclear Big Rock Point (TN-BRP) and Transnuclear Robert E. Ginna (TN-REG) casks. The purpose of the meeting is to confirm NRC's support for one-time use, full-load shipments, including damaged fuel, to the Idaho National Engineering and Environmental Laboratory (INEEL). A presentation for the meeting has been prepared as well as supporting information for an initial meeting with NRC technical management.

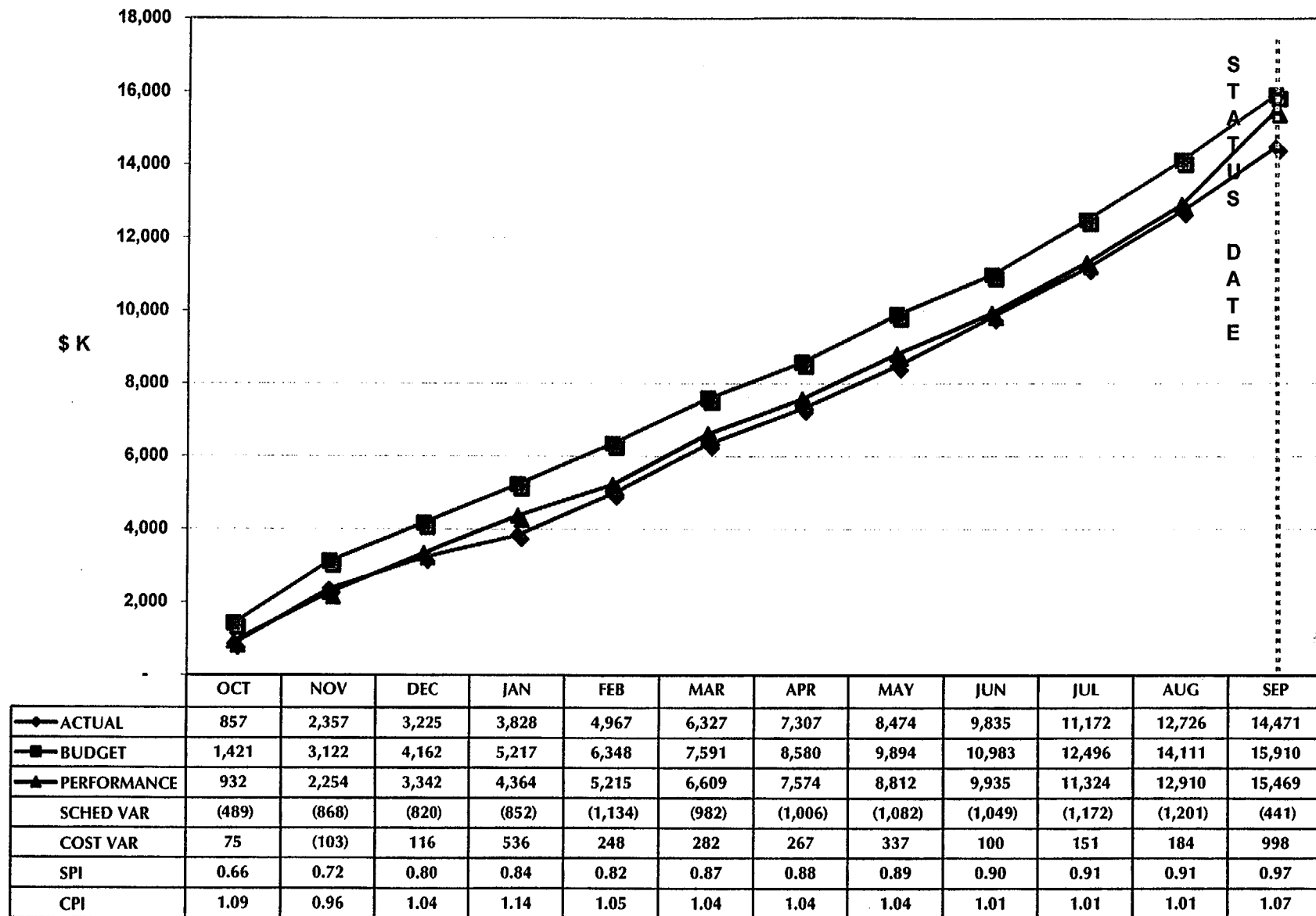
Negotiations with the Buffalo and Pittsburgh Railroad (B&PRR) for rail service from the WVDP to Machias were completed and a contract awarded on September 30, 1999. This rail link is required for SNF shipments. A revised proposal for completion of the rail upgrade work by June 1, 2000, was received. "Best and final offers" for refurbishment of the WVDP 1.8 mile rail spur were received and are being evaluated, and the contract is expected to be placed shortly. Refurbishment could be completed by the end of the year, weather permitting.

The fixed price contract for design and construction of the Remote Handled Waste Facility (RHWF) was awarded to Butler Construction on September 24, 1999. The award of this contract marks an important project milestone. This project is a corner stone of the WVDP's Phase 2 clean up activities and represents the largest single contract awarded at the project since the mid 1990's. The Butler-lead team combines the talents of Ferguson Electric, Quackenbush Mechanical, Raytheon Engineers and Quality Inspection Services, all local New York based companies. The Remote Handled Waste Facility will be designed and built to allow project personnel to safely prepare WVDP highly radioactive wastes for shipping and off-site disposal. Current plans show remote waste processing operations starting within four years.

As part of LLW shipping and storage activities the construction of a safer storage area was initiated. The previous fabric structure, of Lag Storage Area 4 (LSA-4) is being replaced by a rigid steel structure. All support steel for LSA-4 has been erected and siding installation has begun. Preparations are being made to remove weather protection from the Container Sorting and Packaging Facility (CSPF) within LSA-4.

Assessment/Actions

Through September, 97% of planned work was completed at 91% of planned costs. The negative schedule variance was reduced in September, 1999 in accordance with cumulative to date progress in shipping of radioactive, hazardous, industrial and sanitary waste. The remaining variance is due to nonimpacting delays in Waste Management Database development, LSA-1 floor repair and delivery of ordered materials for fuel shipping preparations. The cumulative cost variance through September reflecting savings realized throughout the fiscal year. The work was accomplished with less than estimated resources, such as lab analysis and waste containers which were procured for less than estimated.

102 - WASTE DISPOSITION

NARRATIVE HIGHLIGHTS AND ASSESSMENT

1.3 Site Disposition/Footprint Reduction

Accomplishments/Status

NRC has provided their comments on the SAIC Erosion Modeling in support of the EIS effort. The comments indicated the need to address the issue of specific extreme storm events. DOE, NYSERDA, WVNS, and SAIC are reviewing the comments and SAIC has started to prepare a response which is anticipated to be available for transmittal to NRC in mid-October.

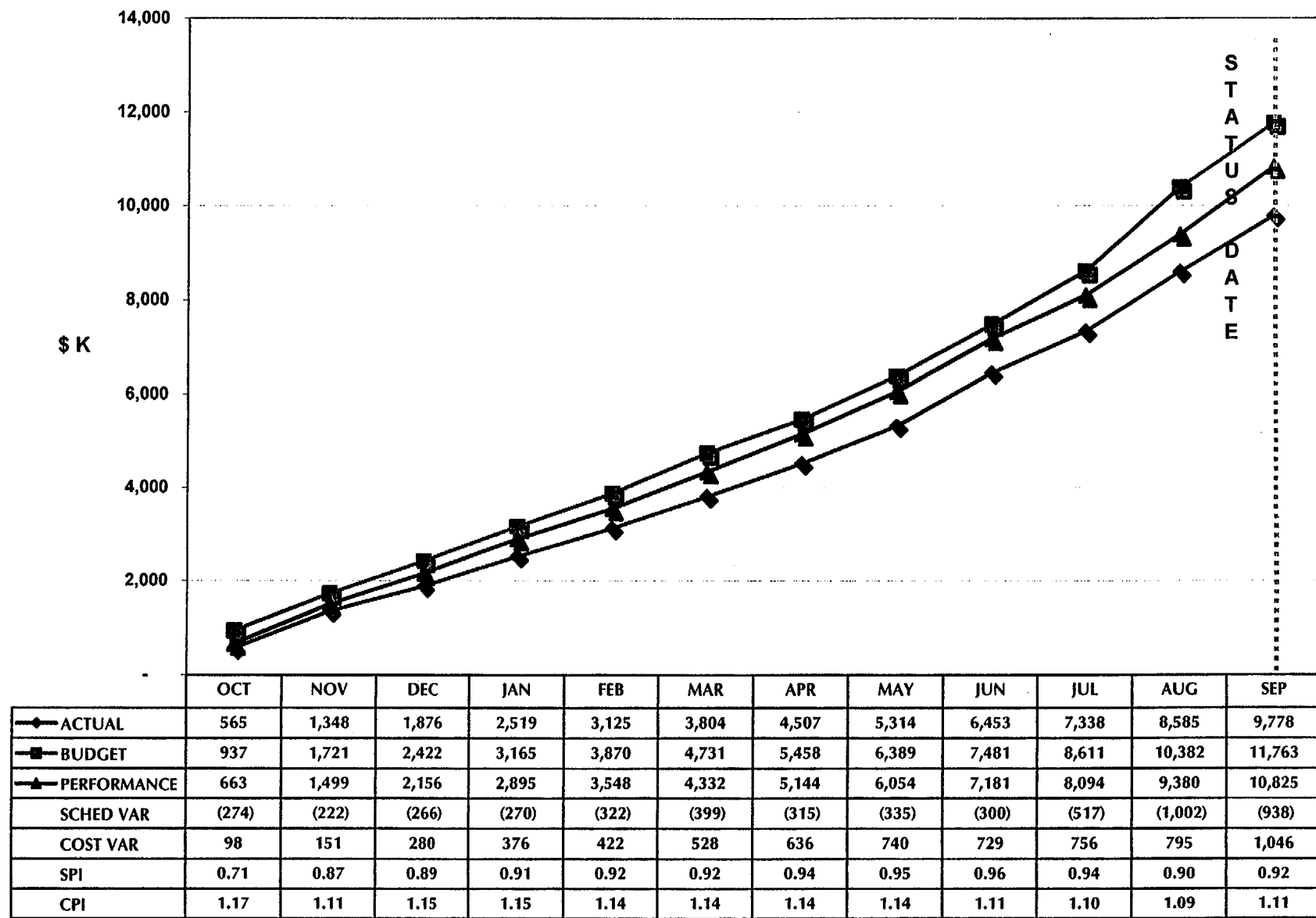
As part of DOE's effort to further evaluate possible Environmental Impact Statement closure scenarios, a public demonstration was held on September 21, 1999, to test a potential application of a grout mixture for managing radioactive wastes in place. The grout was poured into a large tank containing non radioactive debris to simulate how this approach might apply if it were selected in closing the Process Building or high-level waste tanks. This was the first of a two-part test designed to show that this grout mixture is easily "reversible" (i.e., retrievable) after it has been poured. The second part of this test, the retrievability of the grout, is planned for mid-October.

Dewatering equipment was installed at the Permeable Treatment Wall (PTW) and dewatering completed on September 18, 1999 in preparation for soil excavation within the cofferdam. The upper support steel will be installed on the exterior of the cofferdam, and is required for structural support purposes prior to the soil excavation process. The project continues to be ahead of schedule. When installed, this PTW will mitigate the migration of the contaminated groundwater plume on the North Plateau of the WV Site.

Assessment/Actions

Through September, 92% of planned work was completed at 83% of planned costs. The negative variance remains due to delays in completion of small site projects and main plant roof repair activities. All are nonimpacting to the Project baseline.

A positive cost variance increased slightly in September, 1999. The cumulative variance is primarily due to less WVNS labor required than planned to accomplish work.

103 - SITE DISPOSITION/FOOTPRINT REDUCTION

NARRATIVE HIGHLIGHTS AND ASSESSMENT

1.4 Site Support/Administration

Accomplishments/Status

The next CTF meeting is scheduled for October 19, 1999, and will focus on engineering design changes for closure options under consideration for the high-level waste tanks and process building as part of the EIS process.

A contingency planning Y2K table top review session was held on September 1, 1999. The results of the table top scenario, which focused on the WVNS mission critical systems and key environmental and safety systems, were documented and incorporated in our site readiness activities for the September 8-9, 1999, real time rollover. All WVNS mission critical systems and key environmental and safety systems remained Y2K compliant during the real time rollover.

All Computer systems are 100% Y2K compliant as of September 21, 1999.

On September 22, 1999, a draft of the WVDP Zero Day Plan was given to the DOE Ohio West Valley Project Office for information and comment. This plan established and communicated to all at WVDP that the site safety goal is Zero; Zero unsafe conditions, Zero unsafe Acts, Zero injuries, Zero occupational illnesses, Zero radiation contaminations, and Zero environmental insults. Objectives were personalized by requiring all employees to establish safety and health and professional and personal development objectives.

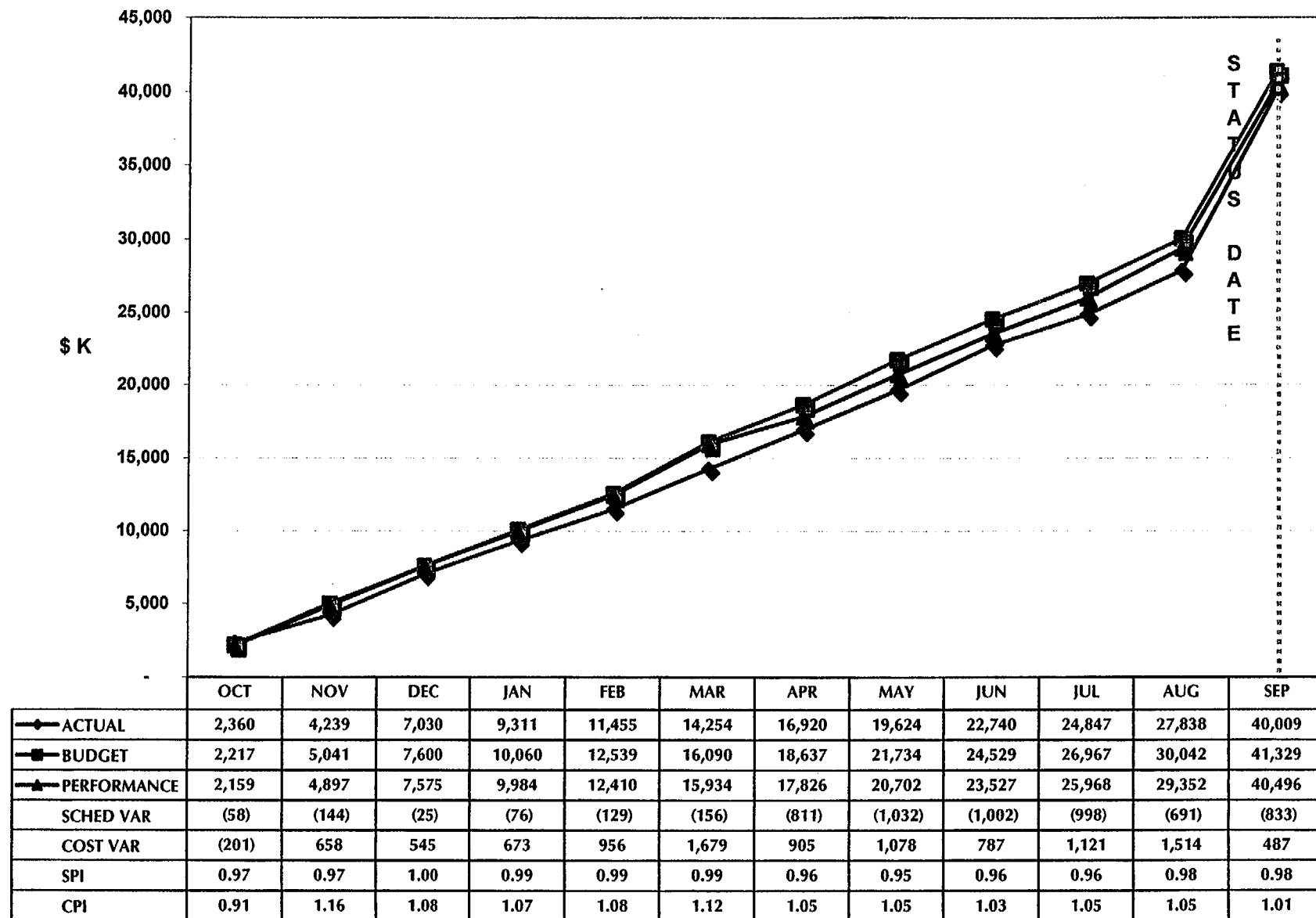
An unannounced asbestos inspection was conducted in September by New York State Department of Labor. No issues were identified by the inspector and he was very complimentary of record keeping.

An annual air program inspection was performed by the New York State Department of Environmental Conservation. No issues were identified by the inspector and he noted excellence in WVNS operating logs.

There were **zero** reportable nasal, internal, clothing, or skin contamination events in September. Two OSHA-recordable incidents occurred during September, making the WVDP's year-to-date Total Recordable Case Rate (TRC) 2.07.

Assessment/Actions

Site Support / Administration has incurred no appreciable cost or schedule variance through September, 1999; 98% of planned work was completed at 97% of planned costs..

104 - SITE SUPPORT/ADMINISTRATION

WVNS Monthly Progress Report - September 1999

ADMINISTRATIVE

Project personnel as of September 30, 1999:

	<u>Mgt</u>	<u>Prof</u>	<u>NE</u>	<u>Hourly</u>	<u>Total</u>
WVNS On Board ¹	107	337	192	173	809
Contract Guard	0	0	0	24	24
Dames and Moore ²	8	33	0	0	41
Project Total:	<u>115</u>	<u>370</u>	<u>192</u>	<u>197</u>	<u>874</u>

EEO Statistics:

	<u>Mgt</u>	<u>Prof</u>	<u>NE</u>	<u>Hourly</u>	<u>Total</u>
Minority (Included in WVNS Total)	12	44	11	13	80
Female (Included in WVNS Total)	15	69	122	23	229

¹ On Board total excludes 16 casuals.

² Includes Dames and Moore located on WVDP and AOC premises.

Total positions will not equal budgeted positions due to monthly transitioning of replacement requisitions.

Accomplishments/Status

The final amounts pertaining to the New York State Sales and Use Tax audit for the period of October, 1985 through February, 1990 were negotiated with the New York State Department of Taxation and Finance. The total amount of alleged tax due with interest is \$844,535.80 calculated through March 5, 1999. Of that amount during the course of the hearings, WVNS conceded that tax was due in the amount of \$1,359.49. The remaining \$843,076.31 was deposited with the New York Department of Taxation and Finance in order to appeal the Sale for Resale issue. The larger implication of this appeal is the period after February, 1990, which is still subject to audit. If the appeal is successful, the amount of tax and interest owed may be minimal. If the appeal is unsuccessful, based on audit findings, the liability may range from \$17M to \$39M. It is possible that a payment schedule could be worked out with the tax department.

COST PERFORMANCE REPORT - WORK BREAKDOWN STRUCTURE

September FY1999

WBS ITEM	CURRENT PERIOD					FISCAL YEAR-TO-DATE					FY 1999 BAC
	BCWS Sched	BCWP Complete	ACWP Spent	SV Sched	CV Cost	BCWS Sched	BCWP Complete	ACWP Spent	SV Sched	CV Cost	
101 High-Level Waste	5,263	4,946	4,831	(317)	115	49,319	48,454	45,907	(865)	2,547	49,319
102 Waste Disposition	1,799	2,559	1,745	760	814	15,910	15,449	14,471	(461)	978	15,910
103 Site Disposition & Footprint Reduction	1,381	1,445	1,193	64	252	11,763	10,825	9,778	(938)	1,047	11,763
104 Site Support & Administration	11,287	11,144	12,171	(143)	(1,027)	41,329	40,496	40,009	(833)	487	41,329
PMB	19,730	20,094	19,940	364	154	118,321	115,224	110,165	(3,097)	5,059	118,321
WVNS MR	-	-	-	-	-	9,792	-	-	-	-	9,792
TOTAL WVNS	19,730	20,094	19,940	364	154	128,113	115,224	110,165	(3,097)	5,059	128,113
Deobligations/Expense	427	427	427	-	-	4,567	2,497	2,497	-	-	4,567
IWOs	544	544	544	-	-	2,400	1,763	1,763	-	-	2,400
Fee/Credit/Other	1,353	1,353	1,353	-	-	11,918	11,126	11,126	-	-	11,918
DOE MR	-	-	-	-	-	(5,857)	-	-	-	-	(5,857)
FY 1999 TOTAL WVDP	22,054	22,418	22,264	364	154	141,141	130,610	125,551	(3,097)	5,059	141,141

Notes:

All entries in thousands of dollars - sum of the parts may vary from total due to rounding.

TOTAL OUTYEAR BUDGET AND FUNDING

September FY1999

Project Budget	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
PBS 1 High-Level Waste Processing	47,889	51,889	33,302	-	-	-	-	-
PBS 2 Transition & Project Completion	32,836	35,994	62,700	98,110	101,371	103,888	107,200	106,422
PBS 3 Spent Nuclear Fuel	4,900	6,400	2,400	1,100	600	600	-	-
PBS 4 Project Management & Support	33,111	33,000	33,433	34,888	35,633	36,340	37,140	37,918
TOTAL BUDGET (YOE \$K)	118,737	127,283	131,834	134,098	137,605	140,828	144,340	144,340
Project Funding	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Dept. of Energy YOE (PBS 1-4)	107,353	115,195	118,891	120,799	123,905	126,806	129,906	129,906
N.Y. State Funding	11,384	12,088	12,943	13,300	13,700	14,023	14,434	14,434
TOTAL PROJECT (YOE \$K)	118,737	127,283	131,834	134,099	137,605	140,829	144,340	144,340

Project Budget	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
PBS 1 High-Level Waste Processing	-	-	-	-	-	-	-	-
PBS 2 Transition & Project Completion	105,623	104,811	103,978	103,134	102,266	108,673	101,800	93,823
PBS 3 Spent Nuclear Fuel	-	-	-	-	-	-	-	-
PBS 4 Project Management & Support	38,717	39,528	40,362	41,206	42,074	35,667	31,867	29,289
TOTAL BUDGET (YOE \$K)	144,340	144,340	144,339	144,340	144,340	144,340	133,667	123,112
Project Funding	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Dept. of Energy YOE (PBS 1-4)	129,906	129,906	129,906	129,906	129,906	129,906	120,300	110,800
N.Y. State Funding	14,434	14,434	14,434	14,434	14,434	14,434	13,367	12,311
TOTAL PROJECT (YOE \$K)	144,340	144,340	144,339	144,340	144,340	144,340	133,667	123,112

Assumptions:

Project Budget is comprised of DOE and NY components

Outyear project funding profile based on Paths To Closure Document (May 17, 1999)

Project cost sharing continues at DOE:NY (90%:10%) and an additional (17%) on EIS costs except for Fuel - Doe (100%)

BUDGET PLAN - TOTAL PROJECT COST ESTIMATE (TPCE)

September FY1999

Project Budget	Prior	FY 1999	FY 2000-2015	Total
PBS 1 High-Level Waste Processing	-	46,457	127,970	174,427
PBS 2 Transition & Project Completion	-	28,910	1,218,726	1,247,636
PBS 3 Spent Nuclear Fuel	-	1,625	15,276	16,901
PBS 4 Project Management & Support	-	41,329	487,582	528,911
Prior - WBS	1,309,451			1,309,451
Escalation	-	-	352,331	352,331
PMB Line	1,309,451	118,321	2,201,885	3,629,657
WVNS Mgmt. Reserve	-	9,792	-	9,792
Contract Budget Base	1,309,451	128,113	2,201,885	3,639,449
Deobs to Other Sites	63,886	4,567	-	68,453
IWOs to Other Sites	-	2,400	-	2,400
Fee/Expense/Credit	139,446	11,918	-	151,364
DOE Mgmt. Reserve	-	(5,857)	-	(5,857)
Relocation	1,179	-	-	1,179
TOTAL TPCE (YOE)	1,513,962	141,141	2,201,885	3,856,988
Project Funding Sources	Prior	FY 1999	FY 2000-2015	Total
Dept. of Energy YOE (PBS 1-4)	1,360,495 ¹	107,224	1,983,296	3,451,015
Dept. of Energy YOE (OTHER)	-	1,411	-	1,411
Dept. of Energy C/O	18,456 ²	-	-	18,456
N.Y. State Funding	117,102	10,376	218,589	346,067
Supplem'l NYS (17% EIS)	4,259	648	-	4,907
Uncosted NYS Funding	1,923	-	-	1,923
NYS Credit/Serv	32,106	1,241	-	33,347
TOTAL PROJECT (YOE)	1,534,341	120,900	2,201,885	3,857,126

Assumptions:

Project Budget/Funding is comprised of DOE and NY components

Outyear project funding profile based on Paths To Closure Document (May 17, 1999)

¹ Includes 17.7M Fuel² Includes 1.2M Fuel

Notes:

All entries in thousands of dollars - sum of the parts
may vary from total due to rounding.

PROJECT RESERVE TRANSACTIONS FY1999

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	TOTAL
													1,500
107200 - WVNS MR BEGINNING BALANCE													
PMB/CBB													-75
1999004 - PURCHASE JUMPERS TO MOVE WASTE FROM 7D-2 TO VIT	-75												-50
1999007 - CSPF PROTECTIVE TENT LOCATED IN LSA 4		-50											16
1999015 - RETURN \$16K DISPOSAL OF FLOURESCENT LIGHT BULB			16										-3
1999021 - D&M CONTRACT RECONCILIATION				-3									900
1999023 - IWO FOR DEVELOPMENT OF REMOTE TOOL DELIVERY SYSTEM BY FETC					900								-900
1999023 - IWO FOR DEVELOPMENT OF REMOTE TOOL DELIVERY SYSTEM BY FETC					-900								-30
1999033 - MODIFICATIONS TO CSPF VENTILATION SYSTEM					-30								-232
1999026 - ENVIRONMENTAL AFFAIRS UPGRADE OF LIMS COMPUTER SYS, Y2K						-232							114
1999030 - IWO WITH INEEL TO PERFORM NFS FUEL SHIPPING SCOPES						114							-114
1999030 - IWO WITH INEEL TO PERFORM NFS FUEL SHIPPING SCOPES						-114							-933
1999032 - DECONSTRUCTION AND CONSTRUCTION OF LSA-4						-933							690
1999040 - ADDITIONAL FUNDING Y2K PROJECTS						690							-690
1999040 - ALLOCATE BUDGET Y2K PROJECTS						-690							292
1999041 - OFF-SITE LAB ANALYSIS NOT REQ'D, EXISTING RAD DATA TO QUALIFY DEBRIS						292							-589
1999042 - CONSTRUCTION OF NEW SHIPPING DEPOT CONNECTED TO LSA-4						-589							62
1999044 - YUCCA MTN WASTE ACCEPTANCE CRITERIA NO LONGER NECESSARY						62							-60
1999044 - EVALUATING CONTAMINATED VIT CELL EXPENDED EQUIPMENT						-60							2,118
1999047 - COST DIFFERENTIAL - NEW OHIO CONSOLIDATED CONTRACT W/ENVIROCORE						2,118							1,800
1999048 - COST EFFICIENCIES ATTRIBUTABLE TO PACE INITIATIVES						1,800							-3,052
1999049 - REDEPLOYMENT OF COST SAVINGS TO PROJECT						-3,052							-300
1999053 - DESIGN & PERFORM REPAIRS TO THE BUTTERMILK CREEK CULVERT PIPE							-300						-600
1999008 - REPLACEMENT OF ADDITIONAL 6500 SQ. FT. OF MAIN PLANT ROOF								-600					-258
1999038 - IWO TO PNNL FOR QA ASSISTANCE, OPS SUPPORT, RAD PROBE								-258					-75
1999059 - REPLACEMENT OF MAIN WAREHOUSE CEILING INSULATION								-75					-125
1999060 - CONDENSATE TANK REPLACEMENT								-125					880
1999061 - VEMP ELIMINATING ELEC MODS AND NO FURTHER EFFORT ON DISSOLVER								880					1,086
1999075 - PACE SAVINGS FOR BEARING SPRAY SYSTEMS ON MOBILIZATION PUMPS									1,086				509
1999078 - IWO TO PNNL FOR VIT AND SITE STABILIZATION SUPPORT									509				-509
1999078 - IWO TO PNNL FOR VIT AND SITE STABILIZATION SUPPORT									-509				-81
1999077 - MODIFY LSA-1 TO PREVENT FURTHER INFILTRATION OF WATER INTO FACILITY										-81			54
1999087 - PNNL NOT PURSUING THE TESTING OF OTHER ELUTION CHEMICALS										54			240
1999092 - ELECTRICAL SUBSTATION AND CONSTRUCTION OF RAD COUNTING ROOM COMPLETE											240		-91
1999099 - ADDITION OF BUDGET TO ALLOW EARLY PROCUREMENT OF EQUIPMENT FOR FY2000												(3,000)	-3000
1999107 - REMOTE HANDLED WASTE FACILITY DESIGN BASED ON PLACED CONTRACT												11,298	11298
1999108 - RETURN FROM FY1999	-75	-50	16	-3	-30	-594	-300	-178	1086	-27	240	8,207	9,792
WVNS MR TOTAL													

OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEPT TOTAL
3,430

107600 - DOE MR BEGINNING BALANCE

PMB/CBB	0												0
NO OCTOBER CHANGES													425
1999002 - DEVELOPMENT OF REMOTE TOOL DELIVERY SYSTEM BY FETC		425											-425
1999002 - DEVELOPMENT OF REMOTE TOOL DELIVERY SYSTEM BY FETC		-425											300
1999009 - TPP TASKS #3, #5 AND #6 TO BE EXECUTED BY PNNL		300											-300
1999009 - TPP TASKS #3, #5 AND #6 TO BE EXECUTED BY PNNL		-300											0
NO DECEMBER CHANGES			0										0
NO JANUARY CHANGES				0									0
NO FEBRUARY CHANGES					0								479
1999046 - LOW LEVEL WASTE DISPOSAL AT ENVIROCORE						479							-479
1999046 - LOW LEVEL WASTE DISPOSAL AT ENVIROCORE						-479							-996
1999054 - REFLECT CREATION OF IWO LINE ON FORMAT 1B						996							0
NO APRIL CHANGES							0						500
1999070 - PROCESSING OF VEM FROM EM-50								500					652
1999043 - SUPPORT AND PREPARATION OF EIS/ROD PROCESS BY SAIC									652				-652
1999043 - SUPPORT AND PREPARATION OF EIS/ROD PROCESS BY SAIC									-652				-2105
1999076 - ACCELERATION OF PROCUREMENTS FOR HEC EQUIPMENT UPGRADES										2105			2198
1999088 - RECOGNIZE THE RETURN OF \$2.2M FROM SAVANNAH RIVER											-129		-129
1999096 - COMPLY WITH DW:1999-0603, FY1999 BUDGET RESCISSION												-612	-612
1999103 - SAIC TO PERFORM NEW SCOPES OF WORK IN SUPPORT OF EIS COMPLETION												182	182
1999104 - ADDITIONAL FUNDING TO COMPLETE Y2K RELATED SCOPES OF WORK												-182	-182
1999104 - ADDITIONAL FUNDING TO COMPLETE Y2K RELATED SCOPES OF WORK												-143	-143
1999105 - FTS PHONE SYSTEM CHARGES AND NRC CASK CERTIFICATION												-8000	-8000
1999106 - NYS SALES TAX POTENTIAL LIABILITY AND WWP PENSION FUND													0
DOE MR TOTAL	0	0	0	0	0	-996	0	500	0	-2105	-129	-8755	-5,857

BALANCES AS OF SEPTEMBER 30, 1999

Note: Dollars in thousands

**WEST VALLEY DEMONSTRATION PROJECT FINANCIAL REPORT
FISCAL YEAR 1999**

Contract Number: DE-AC24-81NE44139

Dollars expressed in thousands.

Reporting Period:
September 1999

WBS Description	Prior Years Uncosted (C/O)	FY 1999 Funding to Date	Obligations Available to Date	FY 1999 Planned Budget	FY 1999 Costs to Date	Outstanding Commitments to Date	Budget Planned to Date
101 High Level Waste	7,423	34,577	42,000	44,192	40,073	1,927	44,088
102 Waste Disposition	2,783	11,154	13,937	14,256	13,669	268	14,222
103 Site Disposition/Footprint Reduction	2,200	7,740	9,940	9,892	6,188	3,752	10,173
104 Site Support/Administration	1,701	28,976	30,677	37,033	37,318	(6,641)	36,945
Contingencies and Reserves	0	3,508	3,508	4,483	0	0	0
Fee	0	9,213	9213	11,775	9,016	0	9,016
SUBTOTAL DOE FUNDING	14,107	95,167	109,275	121,632	106,264	(694)	114,445
Internal Work Orders (IWOs)	751	1,649	2,400	2,400	1,763	637	1,763
Other Ohio Office Obligations	184	859	1,043	945	945	98	945
TOTAL OHIO OFFICE	15,042	97,675	112,718	124,977	108,972	41	117,153
TOTAL DOE OBLIGATIONS ***	3,775	(658)	3,117	1,703	1,553	1,564	1,553
EX05 PROJECT OBLIGATED FUNDS	18,817	97,017	115,834	126,680	110,525	1,605	118,706
Unobligated Funds:	0	10,207	10,207	0	0	0	0
TOTAL EX05 PROJECT FUNDING FY99:	18,817	107,224	126,041	126,680	110,525	1,605	118,706
Non EX-05 Funding	115	1,395	1,510	1,399	1,306	93	1,295
TOTAL DOE	18,932	108,619	127,551	128,079	111,831	1,698	120,001
NYSERDA NE Project (SDA Share)	0	0	0	0	0	0	0
NYSERDA NE Proj. (EIS Share) + Fee	0	648	648	648	258	390	258
NYSERDA NS Project + Fee	1,923	10,376	12,299	12,299	12,550	(251)	12,299
NYSERDA Credit	0	1,241	1,241	1,241	912	329	912
NYSERDA NY Non-Project + Fee	0	0	0	0	21	0	21
TOTAL WVDP:	20,855	120,884	141,739	142,267	125,572	2,166	133,491

*** See next page for individual breakdown of DOE obligations and IWOs.

WEST VALLEY DEMONSTRATION PROJECT FINANCIAL REPORT
FISCAL YEAR 1999

DOE Obligations / IWO / Non EX05 Funding Breakout

Reporting Period:
September 1999

Contract Number: DE-AC24-81NE44139

Dollars expressed in thousands.

DOE Obligations	Prior Years Uncosted (C/O)	FY 1999 Funding to Date	Obligations Available to Date	FY 1999 Planned Budget	FY 1999 Costs to Date	Outstanding Commitments to Date	Budget Planned to Date
DOE Obligation: Battelle PNNL (RL)	553	300	853	760	760	93	760
DOE Obligation: Fluor Daniel Hanford	23	(23)	0	0	0	0	0
DOE Obligation: Idaho (SAIC - EIS)	2	0	2	0	(73)	75	(73)
DOE Obligation: Savannah River	2,198	(2,198)	0	0	0	0	0
DOE Obligation: Ohio (SAIC)	580	1,263	1,843	580	615	1,228	615
DOE Obligation: Idaho	45	0	45	0	4	41	4
DOE Obligation: Rocky Flats (SAIC Non-EIS)	11	0	11	0	0	11	0
DOE Obligation: LIMITCO	363	0	363	363	247	116	247
TOTAL DOE OBLIGATIONS	3,775	(658)	3,117	1,703	1,553	1,564	1,553
IWO Details							
IWO - FETC / Redzone (PBS 01)	0	704	704	704	704	0	704
IWO - SR Mob Pump Tests (PBS 01)	44	0	44	44	0	44	44
IWO - PNNL (PBS 01)	1	767	768	768	379	389	768
IWO - EML /Chicago (PBS 02)	0	53	53	53	0	53	53
IWO - ID/LMITCO SNF Program(PBS 03)	706	125	831	831	683	148	831
IWO - OR Emergency Planning (PBS04)	0	0	0	0	(3)	3	(3)
TOTAL IWO OBLIGATIONS	751	1649	2400	2400	1763	637	2397
Non EX 05 Funding							
SR work Authorization	0	20	20	20	10	10	20
Pollution Prevention	4	3	7	7	1	6	7
Y2K Compliance	0	872	872	872	802	70	872
HQ	111	0	111	0	0	0	
ASTD Projects: VEMP	0	500	500	500	493	7	500
Non EX05 Funding Total	115	1,395	1,510	1,399	1,306	93	1,399

West Valley Nuclear Services, Inc. - DOE Contract # NE44139
Monthly Earned Value Summary by PBS
Fiscal Year 1999

Reporting Period:
September 1999

PBS #	Description	Current Period					Cumulative to Date				
		BCWS	BCWP	ACWP	Schedule Variance	Cost Variance	BCWS	BCWP	ACWP	Schedule Variance	Cost Variance
OHVV01 - HLW Vit & High Activ Proc		5,427	5,087	10,256	(340)	(5,169)	45,907	45,401	49,589	(506)	(4,188)
OHVV02 - Site Trans, Decm, & Prj Comp		3,388	4,208	5,664	820	(1,456)	28,076	26,684	24,920	(1,392)	1,764
OHVV03 - Spent Nuclear Fuel		163	137	643	(26)	(506)	1,843	1,687	2,644	(156)	(957)
OHVV04 - Project Mgmt/Site Support		10,319	10,191	1,952	(128)	8,239	39,734	38,984	30,739	(750)	8,245
Total DOE by PBS		19,297	19,623	18,515	326	1,108	115,560	112,756	107,892	(2,804)	4,864

**West Valley Demonstration Project
Accelerated Cleanup Path to Closure Planning Level Data
Milestone Listing**

CONTROL LEVEL				MILESTONE DESCRIPTION	DATE	STATUS
Level 0 (AE)	Level 1 (PSO/FMO)	Level 2 (DOE-WV)	Level 3 (WVNS)			
#10166 PBS02				ISSUE ROD FOR PROJECT COMPLETION	MAY-00	
#10175 PBS03				BEGIN TO SHIP WV-SNF TO INEEL	APR-01	
#10170 PBS02				NRC APPROVE DECOMMISSIONING PLAN	SEP-01	
#10153 PBS01				BEGIN HLW VIT SYSTEMS/MELTER DEACTIVATION	OCT-01	
#10350 PBS01				PROJECT END PBS-OH-WV-01: HLW VIT & TANK HEEL HAW PROCESSING	SEP-02	
#11379 PBS02				DOE-HQ IDENTIFY HLW RECEIVER SITE	OCT-02	
#11394 PBS02				DOE-HQ IDENTIFY TRU RECEIVER SITE	SEP-03	
#10180 PBS03				PROJECT END PBS-OH-WV-03: SPENT NUCLEAR FUEL TERMINATED	SEP-05	
#11378 PBS02				WV-HLW SHIPPING READINESS REVIEW/DOE APPROVAL	SEP-06	
#11401 PBS02				PROJECT END PBS-OH-WV-02: SITE TRANS, DECON & PROJECT COMPLETION	SEP-15	
#10182 PBS04				WVDP PROJECT COMPLETION	SEP-15	

**West Valley Demonstration Project
Accelerated Cleanup Path to Closure Planning Level Data
Milestone Listing**

CONTROL LEVEL				MILESTONE DESCRIPTION	DATE	STATUS
Level 0 (AE)	Level 1 (PSO/FMO)	Level 2 (DOE-WV)	Level 3 (WVNS)			
		#10176 PBS03		COMPLETE SNF TRANSPORTATION PLAN	AUG-99	Complete AUG 28,1999
		#10181 PBS03		WV SNF EQUIPMENT/FACILITIES PREPARED	SEP-99	Complete SEP 24,1999
		#10168 PBS02		ISSUE PREFERRED ALTERNATIVE/FINAL EIS	APR-00	
		#10155 PBS01		COMPLETE WV HLW TANK RESIDUALS VITRIFICATION PROCESSING	SEP-01	
		#10178 PBS03		COMPLETE SHIPMENT OF WV-SNF TO INEEL	SEP-01	
		#11385 PBS02		COMPLETE EQUIPMENT UPGRADES FOR HEC DEBRIS REMOVAL	SEP-02	
		#10154 PBS01		COMPLETE HLW VIT SYSTEMS/MELTER DEACTIVATION	SEP-02	
		#11380 PBS02		INITIATE PROCUREMENT OF HLW CASKS/RECEIVER SITE MODS/AGREEMENTS	OCT-02	
		#11390 PBS02		COMPLETE DESIGN/CONSTRUCTION OF REMOTE HANDLED WASTE FACILITY	SEP-04	
		#11386 PBS02		COMPLETE HEAD-END CELL DEBRIS REMOVAL	SEP-04	
		#11393 PBS02		RECEIVE TRU WASTE ACCEPTANCE SPECIFICATION	SEP-04	

**West Valley Demonstration Project
Accelerated Cleanup Path to Closure Planning Level Data
Milestone Listing**

CONTROL LEVEL				MILESTONE DESCRIPTION	DATE	STATUS
Level 0 (AE)	Level 1 (PSO/FMO)	Level 2 (DOE-WV)	Level 3 (WVNS)			
		#11377 PBS02		COMPLETE HLW LOAD-OUT FACILITY CONSTRUCTION	SEP-05	
		#11395 PBS02		COMPLETE PREPARATIONS FOR TRU WASTE SHIPMENTS	SEP-05	
		#11387 PBS02		COMPLETE REMOVAL OF PROCESS BUILDING RETRIEVEABLE CONTAMINATION	SEP-05	
		#10179 PBS03		COMPLETE D&D OF FUEL RECEIVING & STORAGE AREA	SEP-05	
		#11396 PBS02		BEGIN WV TRU SHIPMENT TO RECEIVER SITE	OCT-05	
		#11375 PBS02		COMPLETE REMOVAL OF CONATMINATED EQUIPMENT/PIPING FROM VIT FAC	SEP-06	
		#11381 PBS02		COMPLETED PROCUREMENT OF HLW CASKS/RECEIVER SITE MODS/AGREEMENT	SEP-06	
		#11382 PBS02		BEGIN HLW CANISTER SHIPMENT	OCT-06	
		#11383 PBS02		COMPLETE HLW CANISTER SHIPMENT	SEP-10	
		#11388 PBS02		COMPLETE PROCESS BUILDING DECON BEFORE FINAL DISPOSITION	SEP-10	
		#11389 PBS02		COMPLETE TREATMENT/PACKAGING OF VF/PB DECON RH-TRU/HAW	SEP-10	

**West Valley Demonstration Project
Accelerated Cleanup Path to Closure Planning Level Data
Milestone Listing**

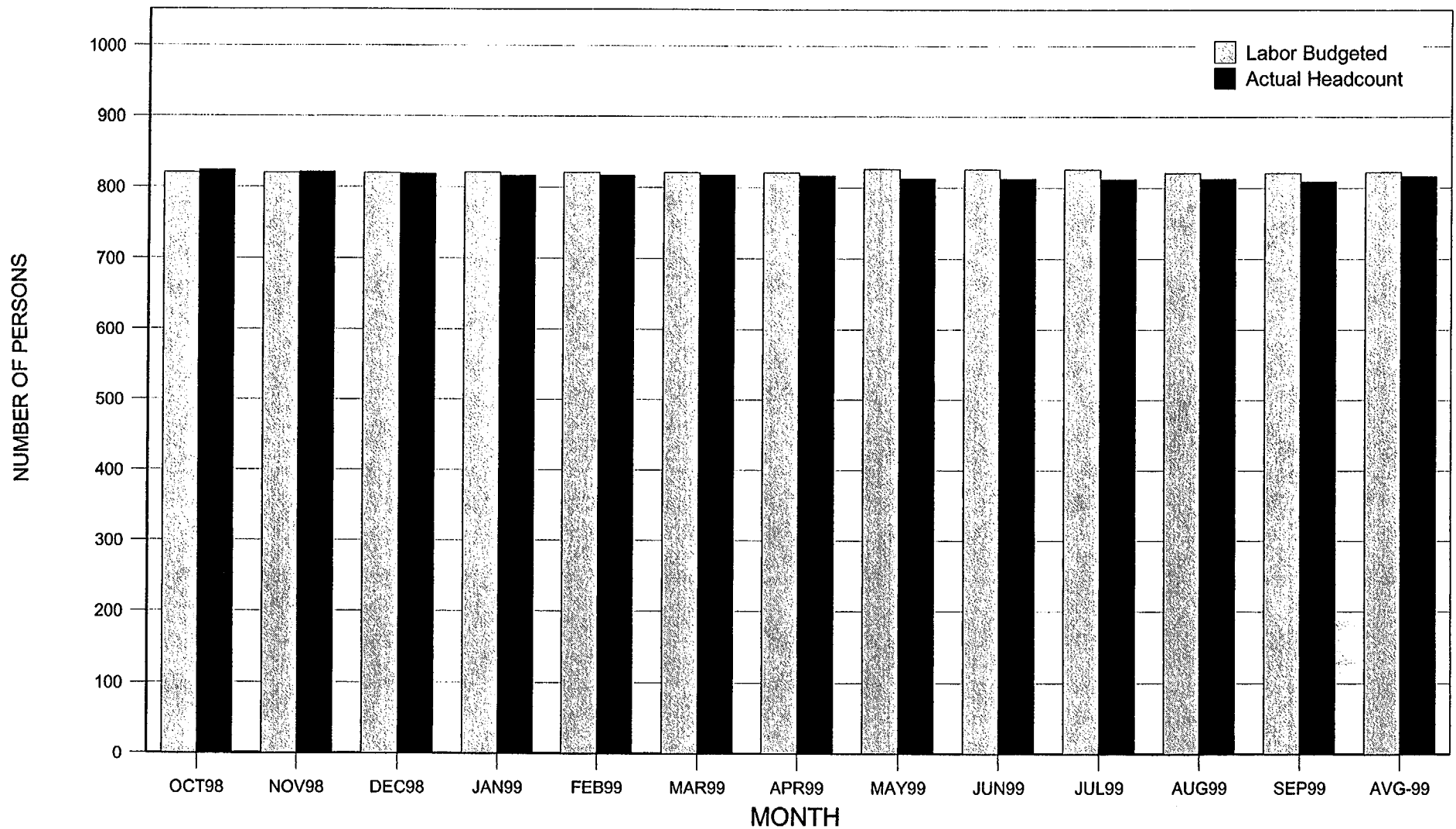
CONTROL LEVEL				MILESTONE DESCRIPTION	DATE	STATUS
Level 0 (AE)	Level 1 (PSO/FMO)	Level 2 (DOE-WV)	Level 3 (WVNS)			
		#11376 PBS02		COMPLETED D&D OF VIT FAC & HLW TANK FARM	SEP-10	
		#11391 PBS02		COMPLETE TREATMENT/PACKAGING OF CPC/WSA RH-TRU/HAW	SEP-12	
		#11399 PBS02		COMPLETE D&D OF BALANCE OF PROJECT FACILITIES PER ROD/NRC	SEP-13	
		#11397 PBS02		COMPLETE WV TRU SHIPMENT TO RECEIVER SITE	SEP-13	
		#11392 PBS02		COMPLETE D&D OF REMOTE HANDLED WASTE FACILITY	SEP-14	
		#11400 PBS02		COMPLETE LLW SHIPMENTS	SEP-14	
		#11384 PBS02		COMPLETE FINAL DISPOSITION OF PB/VF/TF PER ROD	SEP-15	
		#11398 PBS02		CLOSEOUT DOCUMENTATION FOR PROJECT COMPLETION	SEP-15	
			#11266 PBS02	DEVELOP A PREFERRED ALTERNATIVE FOR THE SITE EIS	JUN-99	
			#10517 PBS01	XFER 400K CURIES OF CESIUM & STRONTIUM FROM HLW TNK 8D-1 TO TNK 8D-2	SEP-99	Complete JUL 22, 1999
			#10156 PBS01	XFER 500K CURIES OF CESIUM & STRONTIUM FROM TANK 8D-2 TO VIT FAC	SEP-99	

**West Valley Demonstration Project
Accelerated Cleanup Path to Closure Planning Level Data
Milestone Listing**

CONTROL LEVEL				MILESTONE DESCRIPTION	DATE	STATUS
Level 0 (AE)	Level 1 (PSO/FMO)	Level 2 (DOE-WV)	Level 3 (WVNS)			
			#10174 PBS02	SHIP OFFSITE UP TO 15K CU. FT. OF CLASS A LLW FOR DISPOSAL	SEP-99	Complete MAY 6,1999
			#10177 PBS03	PREPARATION/APPROVALS FOR SNF SHIPMENTS	MAR-01	

FY 1999 Labor Summary 30-September 99

WVNS Personnel



Labor Budgeted	820	820	820	821	821	821	821	826	826	826	821	821	822
Actual Headcount	824	821	819	816	817	818	817	813	813	812	813	809	816

Excludes 16 Casuals