

Memorandum

Ohio Field Office
West Valley Demonstration Project

DATE: December 30, 1999

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

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

Attached is the WVDP Progress Report for October 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 October 1999

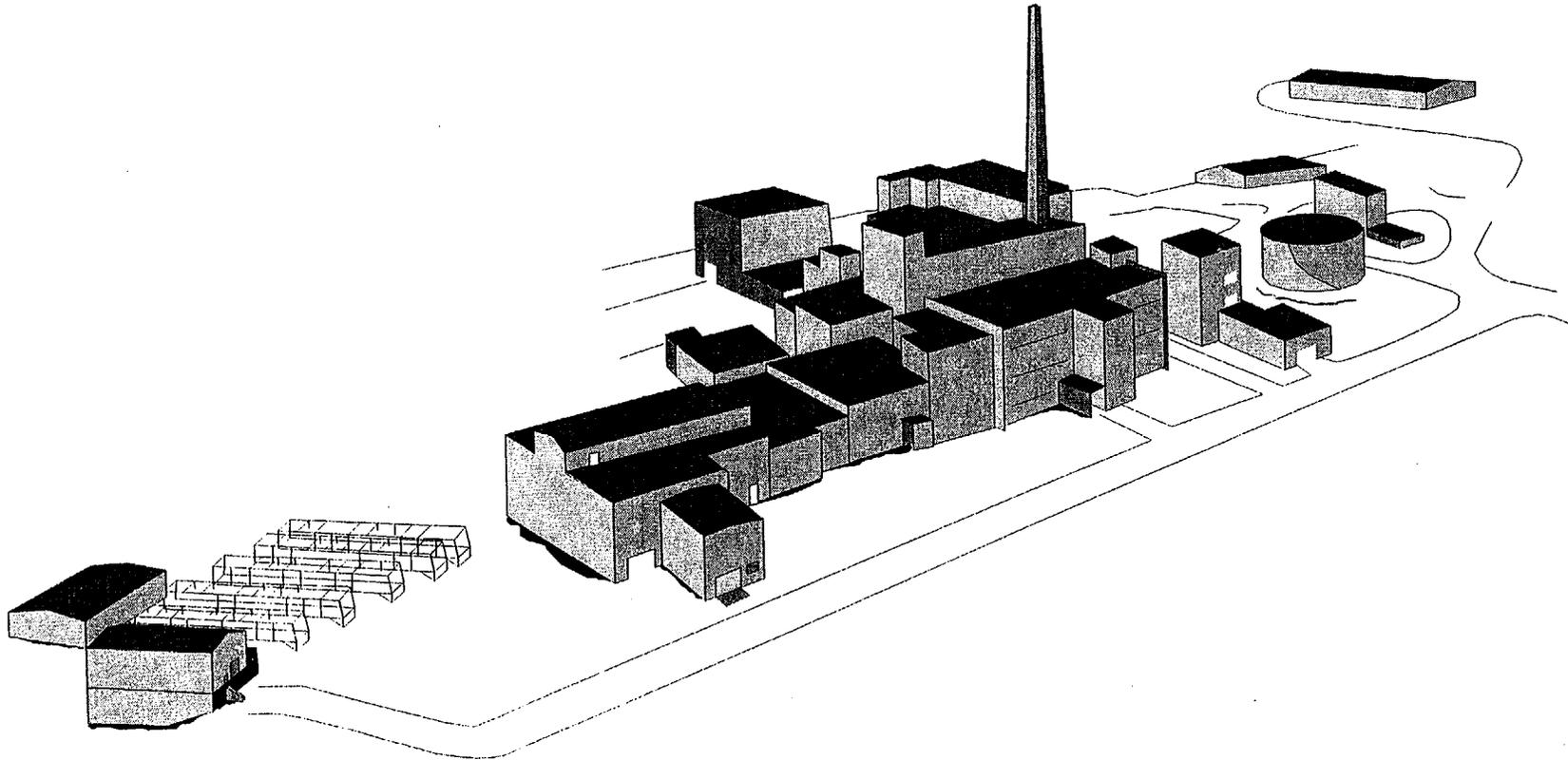
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West Valley Demonstration Project Progress Reports October 1999



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

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PROGRESS REPORT

Report No. 204
Reporting Period: October 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 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 tank heel/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 for DOE's closure / completion responsibility per the WVDP Act.

NARRATIVE HIGHLIGHTS AND ASSESSMENT

Overall Assessment

Accomplishments/Status

At the end of October, the Vitrification Facility melter was idle with the 243rd canister, the 2nd in fiscal year 2000 under the melter feed pour spout. Melter operations are scheduled to resume in late December, 1999. The canister fill height for FY2000 is 93.6%, exceeding the Waste Acceptance Criteria (WAC) minimum requirement of 80% for disposal at the Federal Repository.

The Advanced Waste Retrieval System (AWRS) is a Technology Deployment activity funded in part by DOE EM-50 which will be used to support final HLW tank heel processing and consists of a Mast Tool Delivery (MTD) Assembly, a Telescopic Arm & Jet Pump Assembly, a Grinder-Separator Assembly, and a Control Skid Assembly. Fabrication of the MTD Assembly and Telescopic Arm & Jet Pump Assembly are in progress and assembly and testing will begin in December. The prototype Grinder-Separator has been modified to reflect final design configuration and the Control Skid Assembly is in progress at WVNS. Preparation for Full Scale System Test of the Advanced Waste Retrieval System is in progress at Specialty Maintenance and Construction, Inc. (SMCI) in Lakeland, Florida. Test equipment is being procured and fabricated, including test tanks and test platforms, for full scale system test of the AWRS is also in progress at SMCI.

As part of DOE's effort to further evaluate possible Environmental Impact Statement (EIS) closure scenarios for selected Waste Management Areas, the second part of a two-part demonstration for the public was held on October 19, to test the retrievability of a grout mixture that could possibly be used for managing radioactive wastes in place. The grout, which was poured into a large tank containing nonradioactive debris was removed on October 19th to demonstrate this grout application is "reversible". Citizen Task Force (CTF) members, regulators, project personnel, and other interested Stakeholders were in attendance to observe this test. Public feedback has been extremely favorable.

The Permeable Treatment Wall was installed to mitigate the migration of the contaminated groundwater plume on the North Plateau. Excavation of the contaminated soil for installation of the Permeable Treatment Wall has been completed and radiologically contaminated soil has been placed into 17 intermodals for subsequent shipment and disposal. The final sampling for moisture content, required for final disposal, will be completed on November 1. Envirocare has approved acceptance of this waste stream, and Waste Management Operations has received a Notice to Transport. The intermodals will be shipped in two groups of six and one group of five.

DOE-OH/WVDP (Mr. Ahmad Al-Daouk) made a presentation on the planned West Valley SNF Shipments to INEEL at the Western Governor's Association Meeting held October 29 in San Diego, CA.. Presentations are also planned for the Northeast Council of State Governments Meeting to be held November 16-17 in Harrisburg, PA, and the Midwest Council of State Governments Meeting to be held November 29-30 in Indianapolis, IN.

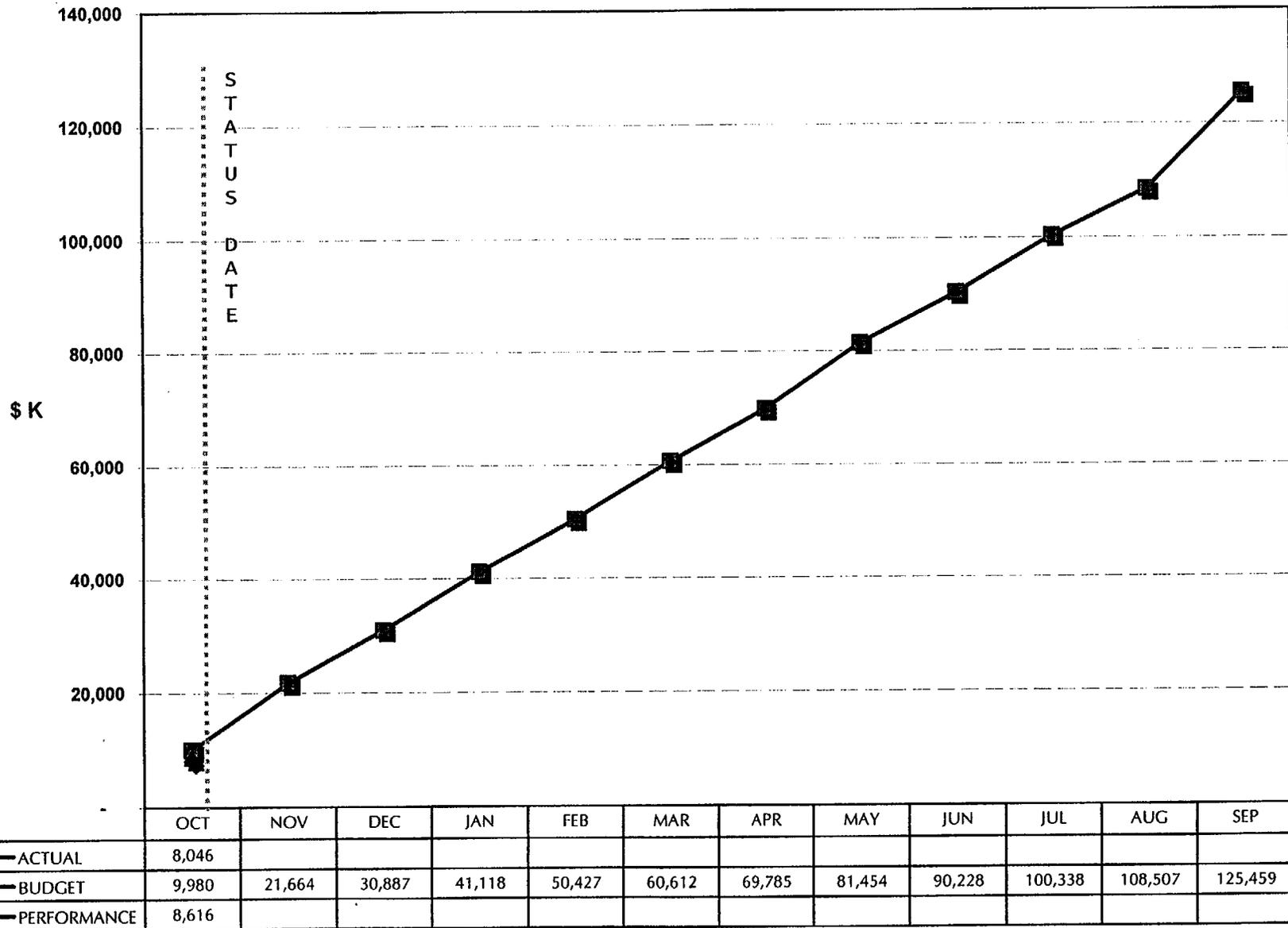
The DOE-Voluntary Protection Plan (VPP) team leader, Roy Gibbs, visited the site to conduct a preliminary review in preparation for the final evaluation of the site's application for Star status. During this time he toured the facility, interviewed employees, and met with WVNS VPP Task Team to define team needs during the on-site review. Mr. Gibbs' impression was that "the site is totally ready for the on-site review team." The review will be held the week of the November 15th.

Assessment/Actions

The Project experienced a \$1.4M negative schedule variance resulting from delays in Head End Cell window refurbishment, site painting and main plant roof repair activities, and Electronic Data Management System hardware procurement and subcontractor support. None of these activities are impact the overall Project schedule. The cost variance is negligible.

Of the 8% of work planned for the fiscal year at the end of October, 7% had been performed and 6% costed.

Total Project



NARRATIVE HIGHLIGHTS AND ASSESSMENT

PBS OH-WV-01: HLW Vitrification & High Activity Waste Processing

Accomplishments/Status

Progress continues toward high-level waste (HLW) tank heel removal. Work completed this month included liquid processing from Tank 8D-1 through the Supernatant Treatment System (STS) to the Liquid Waste Treatment System (LWTS) evaporator, evaporator processing in the LWTS for volume reduction, and waste transfers from Tank 8D-2 to the Concentrator Feed Makeup Tank (CFMT).

The Vitrification Facility melter is currently idle with the 243rd canister, the 2nd in fiscal year 2000 under the melter feed pour spout. Melter operations are scheduled to resume in late December, 1999 once enough HLW concentrate has been accumulated. The canister fill height for FY2000 is 93.6%, exceeding the Waste Acceptance Criteria (WAC) minimum requirement of 80% for disposal at the Federal Repository.

Vitrification Expended Materials Processing (VEMP) is a Technology Deployment activity partially funded by DOE EM-50. WVNS developed a FY2000 production schedule for continued VEMP operations. The schedule addresses processing the current inventory of expended materials which can be size reduced using Generation-I equipment. This month, three items of expended material have been processed toward completion of the V3A Contract Milestone to size reduce at least eight items of Vit Expended Material by September 30, 2000. The three items size reduced consisted of two HLW glass-contaminated thermowells and one HLW glass-contaminated melter level probe.

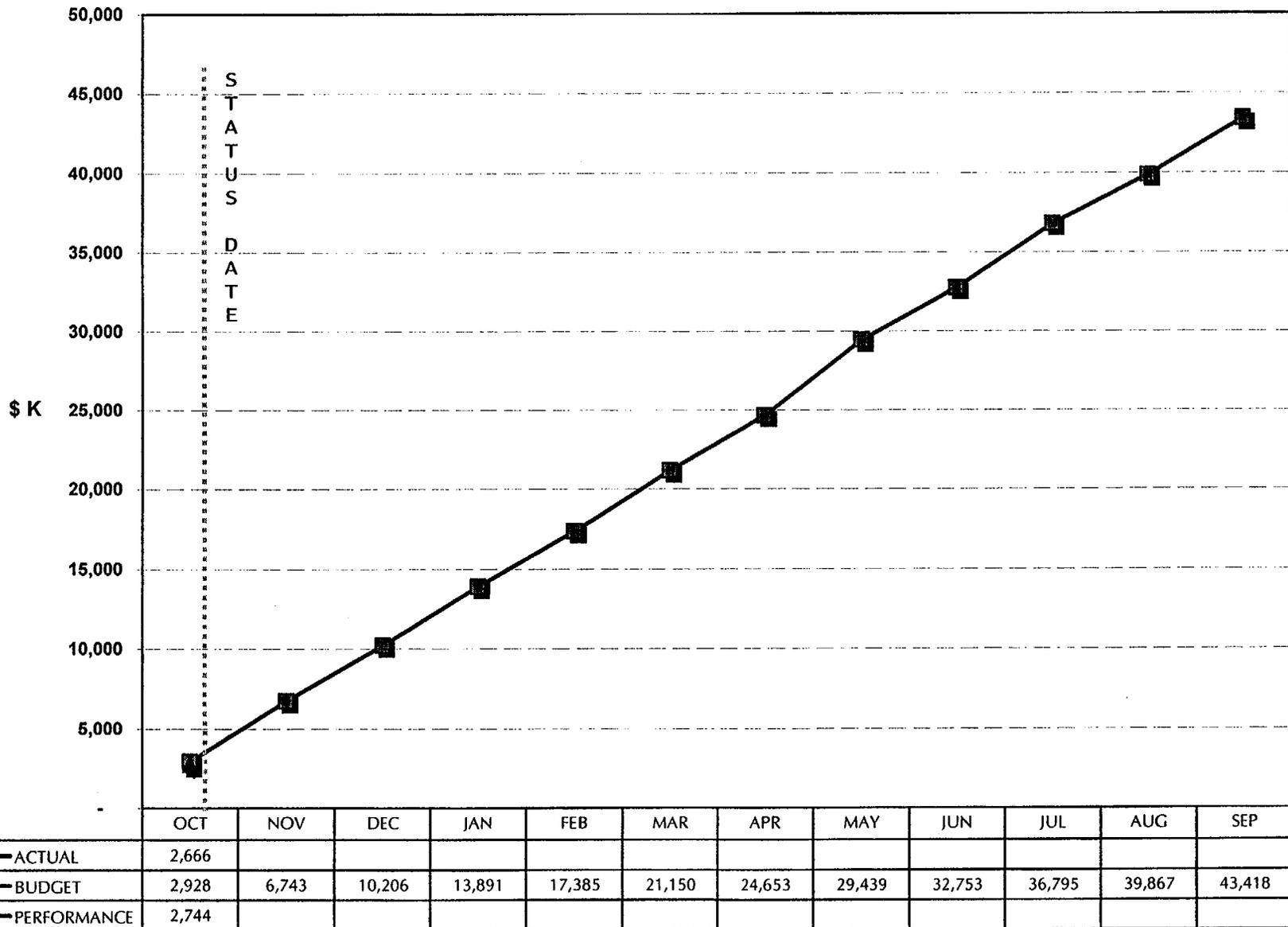
The Advanced Waste Retrieval System (AWRS) is a Technology Deployment activity funded in part by DOE EM-50 which will be used to support final HLW tank heel processing and consists of a Mast Tool Delivery (MTD) Assembly, a Telescopic Arm & Jet Pump Assembly, a Grinder-Separator Assembly, and a Control Skid Assembly. Fabrication of the MTD Assembly and Telescopic Arm & Jet Pump Assembly are in progress and assembly and testing will begin in December. The proto-type Grinder-Separator has been modified to reflect final design configuration and the Control Skid Assembly is in progress at WVNS. Preparation for Full Scale System Test of the Advanced Waste Retrieval System is in progress at Specialty Maintenance and Construction, Inc. (SMCI) in Lakeland, Florida. Test equipment is being procured and fabricated, including test tanks and test platforms, for full scale system test of the AWRS is also in progress at SMCI.

Assessment/Actions

PBS OH-WV-01 incurred no appreciable schedule or cost variance

Of the 7% of work planned in FY2000 for PBS OH-WV-01 at the end of October 6% had been performed and 6% costed.

PBS 1 - (OH-WV-01) HLW VITRIFICATION & HIGH ACTIVITY WASTE PROCESSING



NARRATIVE HIGHLIGHTS AND ASSESSMENT

PBS OH-WV-02: Site Transitioning, Decommissioning & Project Completion

Accomplishments/Status

The Permeable Treatment Wall was installed in FY99 to mitigate the migration of the contaminated groundwater plume on the North Plateau. Excavation of the contaminated soil for installation of the Permeable Treatment Wall has been completed and radiologically contaminated soil has been placed into 17 intermodals for subsequent shipment and disposal. The final sampling for moisture content, required for final disposal, will be completed on November 1. Envirocare has approved acceptance of this waste stream, and Waste Management Operations has received a Notice to Transport. The intermodals will be shipped off-site for disposal in two groups of six and one group of five.

The Remote Handled Waste Facility (RHWF) will be designed and built to allow project personnel to safely prepare WVDP highly radioactive waste for shipping and off-site disposal. A series of meetings to focus on transfer of technical details pertaining to design and construction of the RHWF are scheduled for the weeks of November 8 and 15. As part of these meetings, the subcontractor awarded the design / build contract will be conducting a design and operability review of the conceptual design for this facility to treat and package TRU and high dose waste streams..

As part of DOE's effort to further evaluate possible Environmental Impact Statement (EIS) closure scenarios for selected Waste Management Areas, the second part of a two-part demonstration for the public was held on October 19, to test the retrievability of a grout mixture that could possibly be used for managing radioactive wastes in place. The grout, which was poured into a large tank containing nonradioactive debris was removed on October 19th to demonstrate this grout application is "reversible". Citizen Task Force (CTF) members, regulators, project personnel, and other interested Stakeholders were in attendance to observe this test. Public feedback has been extremely favorable.

In support of EIS Site Closure Alternative Analysis the DOE, NYSERDA, and WVNS discussed with NRC the enhancements Science Applications International Corporation (SAIC) is planning for the SIBERIA Erosion Model. These discussions involve describing how to incorporate extreme storm events and how areas evaluated are reviewed with greater precision. Written responses to NRC's comments will follow.

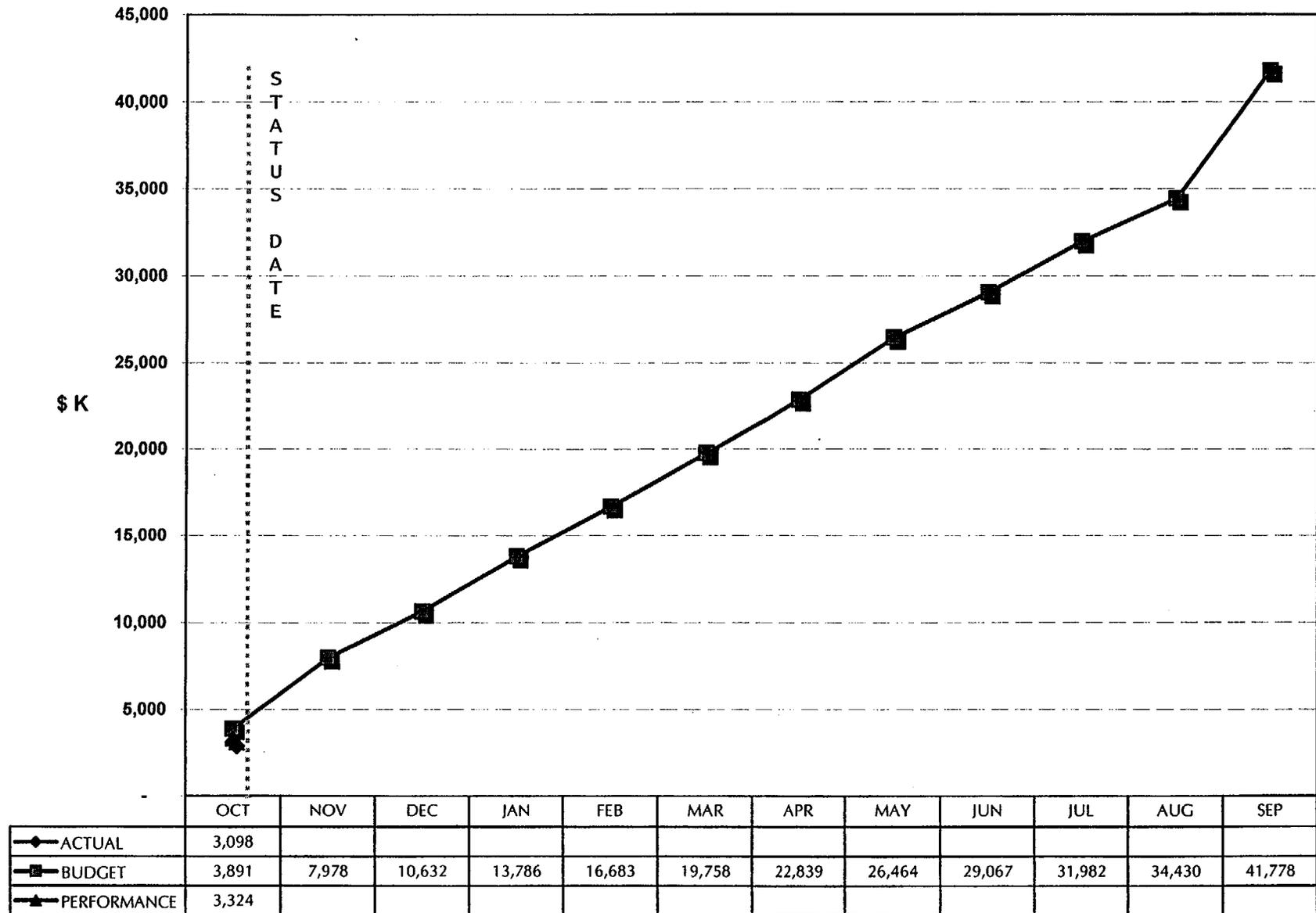
Head End Cell work to reduce the risk of radiation exposure and contamination while removing SNF debris from the cells continues with completion of the reassembly of the Process Mechanical Cell (PMC) B Window which was reinstalled on October 21, 1999. Decontamination and Decommissioning Operations completed the removal of the containment tent utilized during the PMC B Window replacement, and is being reassembled at the PMC C Window. Hot Cell Services has started relocating the pulling table and shield plates to the PMC C Window as well. Completion of the window repairs will improve the visibility into the cell for upcoming cleanup activities.

Assessment/Actions

PBS OH-WV-02 incurred \$0.6 million negative schedule variance for October. This is due primarily to delays in completion of Head End Cell window refurbishment, and delays associated with site painting and main plant roof repair activities. This project incurred a negligible cost variance. None of these activities impact to the overall Project schedule.

Of the 9% of work planned in FY2000 for PBS OH-WV-02, at the end of October 8% had been performed and 7% costed.

PBS 2 - (OH-WV-02) SITE TRANSITIONING, DECOMMISSIONING & PROJECT COMPLETION



NARRATIVE HIGHLIGHTS AND ASSESSMENT

PBS OH-WV-03: Spent Nuclear Fuel

Accomplishments/Status

As part of the overall effort to prepare WVDP equipment for Spent Nuclear Fuel (SNF) shipment to Idaho National Engineering and Environmental Laboratory (INEEL), Han-Tek personnel initiated modifications to the Fuel Receiving and Storage Area 100 ton crane required for planned engineered lifts of up to full loads of the spent fuel shipping casks. Replacement of the bottom block sheave bearings was completed. Removal of the crane hook was initiated, however, a large nut required for removal is seized. Special tooling for removal of the nut is being developed. Han-Tek personnel will return in early December to complete hook removal and replacement, gear replacement, and final adjustments.

In support of the SNF shipment program, the Buffalo & Pittsburgh Railroad (B&PRR) will begin work in November to upgrade the rail lines from the WVDP to Machias, NY required for shipping fuel off-site to INEEL. The B&PRR plans to have all railroad ties replaced by the end of November. A kickoff meeting is planned with the contractor for refurbishment of the WVDP 1.8 mile site rail spur which connects WVDP to the rail line to Machias.

Transnuclear, Inc. (TN) has been authorized to begin work on the TN-BRP and TN-REG shipping cask SAR revisions required for full loads. A conference call is scheduled for November 3 with TN to discuss the plans and status of the SAR revision effort. Approval for full-load shipments would enable all 125 of the DOE-owned SNF rods to be shipped to Idaho Nuclear Engineering and Environmental Laboratory (INEEL) in one shipment.

The order for fabrication of the two mockup TN-REG fuel assemblies was placed with West Metal Works in Buffalo. The two TN-REG fuel top nozzles previously procured from Westinghouse Commercial Nuclear Fuel Division will be used in the fabrication of the mockup assemblies. One mockup TN-REG fuel assembly will be provided to INEEL to be used for training personnel on the loading, unloading and handling procedures.

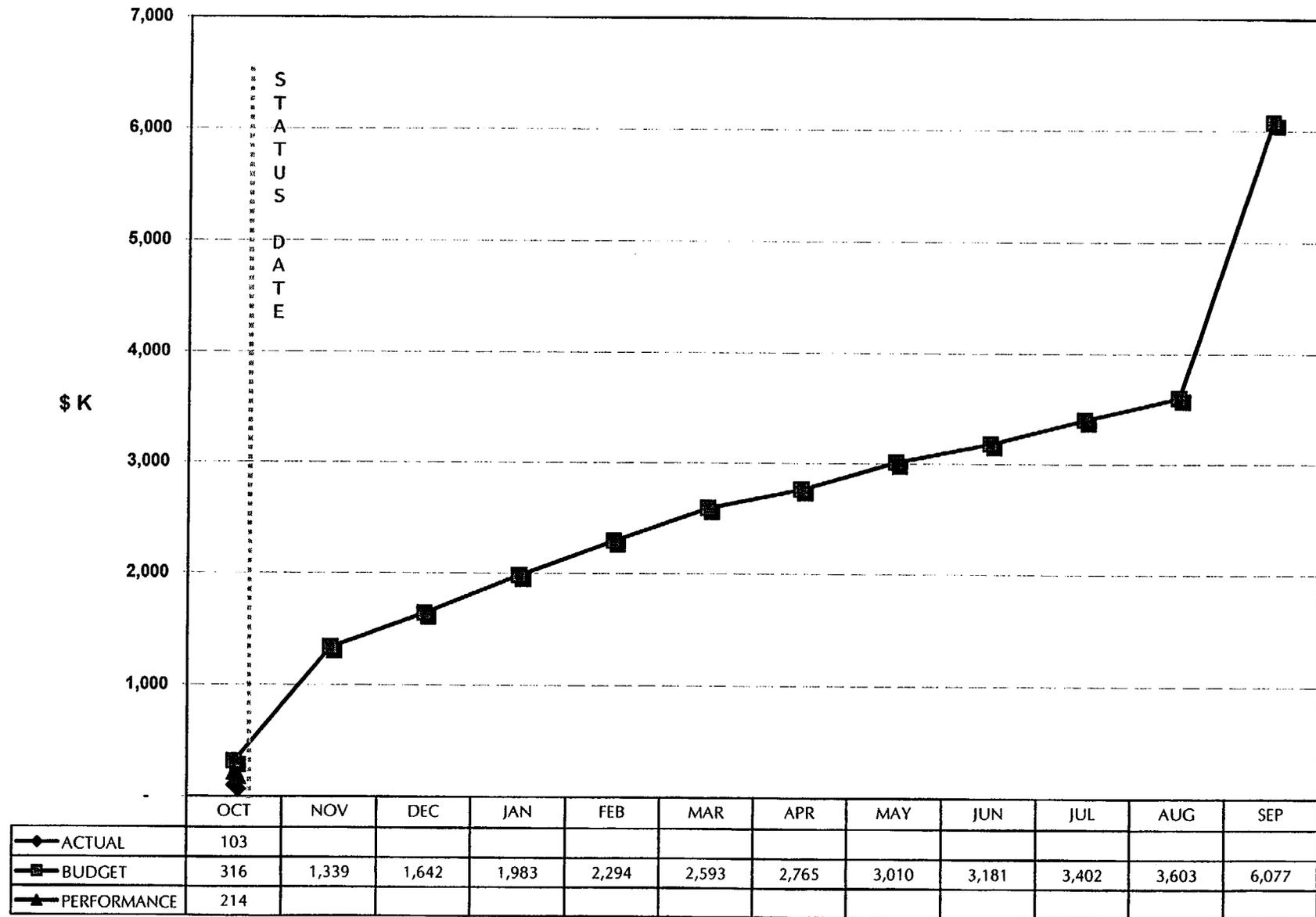
DOE-OH/WVDP presented the plan for West Valley SNF Shipments to INEEL at the Western Governor's Association Meeting held October 29 in San Diego, CA. Presentations are also planned for the Northeast Council of State Governments Meeting to be held November 16-17 in Harrisburg, PA, and the Midwest Council of State Governments Meeting to be held November 29-30 in Indianapolis, IN.

Assessment/Actions

PBS OH-WV-03 incurred no appreciable schedule variance for October. The cost variance is due to nonimpacting delays in receipt of ordered materials for the Fuel Shipping Program..

Of the 5% of work planned in FY2000 for PBS OH-WV-03, at the end of October, 4% had been performed and 2% costed.

PBS 3 - (OH-WV-03) SPENT NUCLEAR FUEL



NARRATIVE HIGHLIGHTS AND ASSESSMENT

PBS OH-WV-04: Project Management / Site Support

Accomplishments/Status

On October 27, 1999, the WVNS Y2K Team met with Emergency Management to discuss the existing version of the Y2K Zero Day Plan, Zero Day strategy, and the process for testing the plan. In addition, the key WVNS policy setting aspects of the plan were presented to upper management for information and comment.

The next CTF meeting is scheduled for November 30, 1999. At this meeting, the CTF is planning to discuss the Nuclear Regulatory Commission's (NRC) draft Policy Statement on Decontamination and Decommissioning Criteria for the WVDP. The CTF review of this draft policy statement is contingent upon NRC's public release for comment of the draft statement planned for mid-November. Once the draft Policy Statement is released, NRC will offer a 60-day public comment period. It is anticipated that sometime during this comment period, NRC will conduct a public meeting at WVDP to receive comments.

The DOE-Voluntary Protection Plan (VPP) team leader, Roy Gibbs, visited the site to conduct a preliminary review in preparation for the final evaluation of the site's application for Star status. During this time he toured the facility, interviewed employees, and met with WVNS VPP Task Team to define team needs during the on-site review. Mr. Gibbs' impression was that "the site is totally ready for the on-site review team." The review will be held the week of the November 15th.

Gerald Boyd, DOE-HQ, EM-50, visited the site on November 1, 1999. This visit included a tour and discussions regarding current/future cooperative efforts between EM-50 and WVDP in deploying technologies to resolve site needs such as Vitrification Expended Material Process and Advanced Waste Retrieval System.

WVDP personnel are renegotiating the Cooperative Agreement with the Seneca Nation of Indians (SNI) for FY2000. Final revisions were agreed upon at a joint meeting held on the Cattaraugus Indian Reservation on October 18, 1999 and includes provisions for shipments of Low Level Waste across tribal lands. The draft Agreement will now be presented to the SNI Tribal Council for approval.

There were no reportable clothing, skin, nasal, or internal contaminations (as defined by DOE Order 232.1) for WVDP radiological workers in October 1999. Two OSHA-recordable incidents occurred during October 1999, making the WVDP's calendar year-to-date Total Recordable Case Rate (TRC) 2.08.

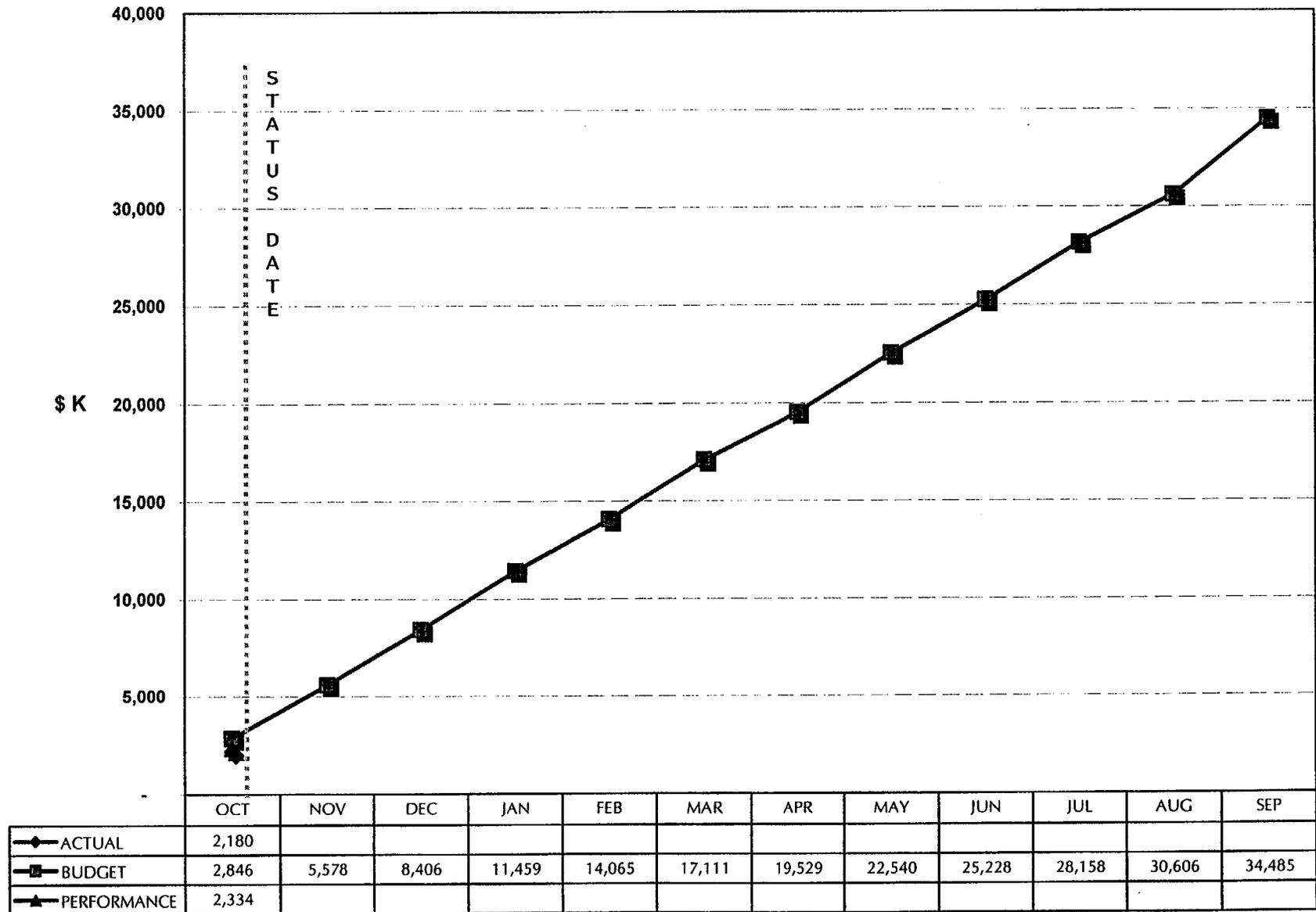
November saw the WVDP again fill food pantries in the towns of West Valley, Little Valley, Eddyville, Franklinville, and Springville with a record-breaking food-collection which totalled over 30 tons. Food was also taken into city of Buffalo "Friends of the Night People" and "City Mission" shelters where Project officials met with the Buffalo groups on November 19. They were joined by Mayor Anthony Masiello and members of the media during a brief ceremony in front of Buffalo City Hall.

Assessment/Actions

PBS OH-WV-04 incurred a \$0.5 million negative schedule variance for October. This is due primarily to a delay in the procurement of hardware and subcontract support for implementation of the Electronic Data Management System, now forecast to complete in January, 2000. There was no appreciable cost variance for October.

Of the 8% of work planned in FY2000 for PBS OH-WV-04, at the end of October 7% had been performed and 6% costed.

PBS 4 - (OH-WV-04) PROJECT MANAGEMENT/SITE SUPPORT



ADMINISTRATIVE

Project personnel as of October 31, 1999:

	<u>Mgt</u>	<u>Prof</u>	<u>NE</u>	<u>Hourly</u>	<u>Total</u>
WVNS On Board ¹	101	340	193	173	807
Contract Guard	0	0	0	25	25
Dames and Moore ²	8	33	0	0	41
Project Total:	<u>109</u>	<u>373</u>	<u>193</u>	<u>198</u>	<u>873</u>
EEO Statistics:					
	<u>Mgt</u>	<u>Prof</u>	<u>NE</u>	<u>Hourly</u>	<u>Total</u>
Minority (Included in WVNS Total)	11	43	11	13	78
Female (Included in WVNS Total)	15	71	123	23	232

¹ On Board total excludes 15 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

October FY2000

ITEM	CURRENT PERIOD					FISCAL YEAR-TO-DATE					FY 2000 BAC
	BCWS Sched	BCWP Complete	ACWP Spent	SV Sched	CV Cost	BCWS Sched	BCWP Complete	ACWP Spent	SV Sched	CV Cost	
PBS 01 - HLW VIT & HIGH ACTIVITY PROCESSING	2,928	2,744	2,666	(184)	78	2,928	2,744	2,666	(184)	78	43,118
PBS 02 - SITE TRANSITION, DECOMMISSIONING & PROJECT COMPLETION	3,891	3,324	3,098	(567)	226	3,891	3,324	3,098	(567)	226	41,778
PBS 03 - SPENT NUCLEAR FUEL	316	214	103	(102)	111	316	214	103	(102)	111	6,077
PBS 04 - PROJECT MANAGEMENT & SITE SUPPORT	2,846	2,334	2,180	(512)	154	2,846	2,334	2,180	(512)	154	34,485
PMB	9,981	8,616	8,047	(1,365)	569	9,981	8,616	8,047	(1,365)	569	125,458
WVNS MR	-	-	-	-	-	-	-	-	-	-	2,000
TOTAL WVNS	9,981	8,616	8,047	(1,365)	569	9,981	8,616	8,047	(1,365)	569	127,458
Deobligations/Expense	143	17	17	(126)	-	143	17	17	(126)	-	1,713
Taxes	-	-	-	-	-	-	-	-	-	-	1,500
Fee/Credit/Other	958	908	908	(50)	-	958	908	908	(50)	-	11,491
DOE MR	-	-	-	-	-	-	-	-	-	-	2,000
Non Project s/t	2	2	2	-	-	2	2	2	-	-	25
	1,102	927	927	(175)	-	1,102	927	927	(175)	-	16,729
FY 1999 TOTAL WVDP	11,083	9,543	8,974	(1,540)	569	11,083	9,543	8,974	(1,540)	569	144,187

Notes:

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

BUDGET PLAN - TOTAL PROJECT COST ESTIMATE (TPCE)

October FY 2000

Project Budget	Prior	FY2000	FY 2001-2015	Total
PBS 1 High-Level Waste Processing	-	43,118	81,066	124,184
PBS 2 Transition & Project Completion	-	41,778	1,186,565	1,228,343
PBS 3 Spent Nuclear Fuel	-	6,077	10,477	16,554
PBS 4 Project Management & Support	-	34,485	455,152	489,637
Prior - WBS	1,419,616	-	-	1,419,616
Escalation	-	-	349,888	349,888
PMB Line	1,419,616	125,458	2,083,148	3,628,222
WVNS Mgmt. Reserve	-	2,000	-	2,000
Contract Budget Base	1,419,616	127,458	2,083,148	3,630,222
Deobs to Other Sites	66,383	1,713	-	68,096
IWOs to Other Sites	1,763	-	-	1,763
Fee/Expense/Credit	150,572	11,491	-	162,063
DOE Mgmt. Reserve	-	2,000	-	2,000
Relocation	1,179	-	-	1,179
Taxes	-	1,500	-	1,500
Non Project	-	25	-	25
TOTAL TPCE (YOE)	1,639,513	144,187	2,083,148	3,866,823
Project Funding Sources	Prior	FY2000	FY 2001-2015	Total
Dept. of Energy YOE (PBS 1-4)	1,470,884 ¹	107,353	1,875,943	3,454,180
Dept. of Energy YOE (OTHER)	1,306	1,000	-	2,306
Dept. of Energy C/O	15,543 ²	-	-	15,543
Dept. of Energy C/O(Other)	204	-	-	204
N.Y. State Funding	129,652	11,857	207,205	348,714
Supplem'l NYS (17% EIS)	4,653	412	-	5,065
Uncosted NYS Funding	353 ³	-	-	353
NYS Credit/Serv	33,018	1,241	-	34,259
Non Project	-	25	-	25
TOTAL PROJECT (YOE)	1,655,613	121,888	2,083,148	3,860,624

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 20.6M Fuel ² Includes 1.3M Fuel ³ 1.3M Adj For FY99 Overpayment

Notes:

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

TOTAL OUTYEAR BUDGET AND FUNDING

September FY2000

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%)

WEST VALLEY DEMONSTRATION PROJECT FINANCIAL REPORT
FISCAL YEAR 2000

Contract Number: DE-AC24-81NE44139

Dollars expressed in thousands.

Reporting Period:
October 1999

WBS Description	Prior Years Uncosted (C/O)	FY 2000 Funding to Date	Obligations Available to Date	FY 20000 Planned Budget	FY 2000 Costs to Date	Outstanding Commitments to Date	Budget Planned to Date
OH-WV-01 HLW Vit & HAW Processing	1,024	43,298	44,322	38,922	3,496	40,826	2,898
OH-WV-02 Site Transition, Decommission & Proj Co	10,688	29,688	40,376	37,301	3,310	37,066	3,820
OH-WV-03 Spent Nuclear Fuel	1,243	4,430	5,673	5,486	113	5,561	313
OH-WV-04 Project Management / Site Support	909	29,937	30,846	31,129	2,636	28,209	2,817
Contingencies , Reserves & Taxes	0	0	0	5,500	0	0	0
Fee	0	0	0	9,225	869	0	869
SUBTOTAL DOE FUNDING	13,864	107,353	121,217	127,562	10,425	111,662	10,716
Internal Work Orders (IWOs)	0	0	0	0	0	0	0
Other Ohio Office Obligations	267	0	267	267	(86)	353	22
TOTAL OHIO OFFICE	14,131	107,353	121,484	127,829	10,339	112,014	10,738
TOTAL DOE OBLIGATIONS ***	1,449	0	1,449	1,449	(0)	1,449	121
EX05 PROJECT OBLIGATED FUNDS	15,580	107,353	122,933	129,278	10,338	113,463	10,859
Unobligated Funds:	0	0	0	0	0	0	0
TOTAL EX05 PROJECT FUNDING FY99:	15,580	107,353	122,933	129,278	10,338	113,463	10,859
Non EX-05 Funding	93	1,000	1,093	1,093	0	1,093	91
TOTAL DOE	15,673	108,353	124,026	130,371	10,338	114,556	10,950
NYSERDA NE Project (SDA Share)	0	0	0	0	0	0	0
NYSERDA NE Proj. (EIS Share) + Fee	0	412	412	412	31	381	34
NYSERDA NS Project + Fee	353	11,857	12,210	12,210	600	11,610	978
NYSERDA Credit	0	1,241	1,241	1,241	103	1,138	103
NYSERDA NY Non-Project + Fee	0	25	25	25	2	0	2
TOTAL WVDP:	16,026	121,888	137,914	144,259	11,075	127,685	12,068

*** See next page for individual breakdown of DOE obligations and Non EX-05 Funding.

WEST VALLEY DEMONSTRATION PROJECT FINANCIAL REPORT
 FISCAL YEAR 2000
 DOE Obligations and Non EX05 Funding Breakout

Reporting Period:
 October 1999

Contract Number: DE-AC24-81NE44139

Dollars expressed in thousands.

DOE Obligations	Prior Years Uncosted (C/O)	FY 2000 Funding to Date	Obligations Available to Date	FY 2000 Planned Budget	FY 2000 Costs to Date	Outstanding Commitments to Date	Budget Planned to Date
DOE Obligation: Battelle PNNL (RL)	93	0	93	93	0	93	0
DOE Obligation: Ohio (SAIC)	1,229	0	1,229	1,229	(56)	1,285	(56)
DOE Obligation: Rocky Flats (SAIC Non-EIS)	11	0	11	11	0	11	0
DOE Obligation: LIMITCO	116	0	116	116	56	60	56
TOTAL DOE OBLIGATIONS	1,449	0	1,449	1,449	0	1,449	0

Non EX 05 Funding

SR work Authorization	10	0	10	10		10	10
Pollution Prevention	6	0	6	6		6	6
Y2K Compliance	70	0	70	70		70	70
ASTD Projects: VEMP	7	1,000	1,007	1,007		1,007	1,007
Non EX05 Funding Total	93	1,000	1,093	1,093	0	1,093	1,093

West Valley Nuclear Services, Inc. - DOE Contract # NE44139
 Monthly Earned Value Summary by PBS
 Fiscal Year 2000

Reporting Period:
 October 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	2,923	2,759	3,496	(164)	(737)	2,923	2,759	3,496	(164)	(737)
OHVV02	- Site Trans, Decm, & Prj Comp	3,775	3,265	3,310	(510)	(45)	3,775	3,265	3,310	(510)	(45)
OHVV03	- Spent Nuclear Fuel	326	224	113	(102)	111	326	224	113	(102)	111
OHVV04	- Project Mgmt/Site Support	2,778	2,318	2,636	(460)	(318)	2,778	2,318	2,636	(460)	(318)
Total DOE by PBS		9,803	8,567	9,556	(1,236)	(989)	9,803	8,567	9,556	(1,236)	(989)

**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	Note 1
#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	

Note 1 HQ PEIS ROD Issued. HLW will remain on-site until a Federal Repository is available.

**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	Note 1
		#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	

Note 1 HQ PEIS ROD Issued. HLW will remain on-site until a Federal Repository is available.

**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 CPCWSA 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	Forecast April 2000
			PBS01	TRANSFER GREATER THAN 1,610 CURIES OF Pu-241 AND Tc-99 TO THE CFMT	SEP-00	
			PBS02	IDENTIFY AND SIZE REDUCE 8 ITEMS VITRIFICATION EXPENDED MATERIAL SUSPECTED TO BE CONTAMINATED WITH HLW IN CELL USING SELECT TOOLING	SEP-00	

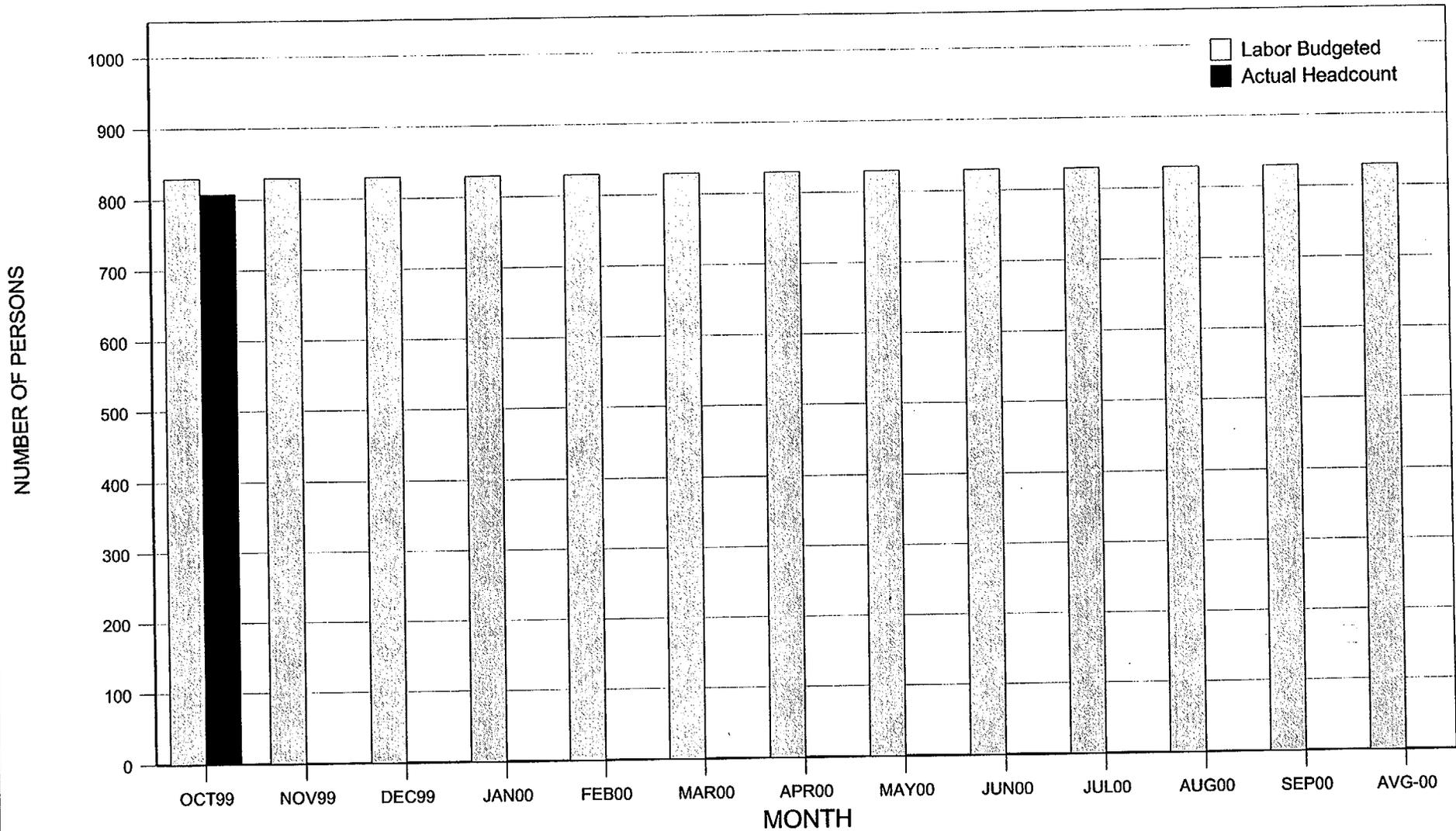
**West Valley Demonstration Project
Accelerated Cleanup Path to Closure Planning Level Data
Milestone Listing**

CONTROL LEVEL				MILESTONE DESCRIPTION	DATE	STATUS
Level 0 (AE)	Level 1 (PSO/FMO)	Level 2 (DOE-WV)	Level 3 (WVNS)			
			PBS01	TRANSFER Cs-137 ACTIVITY FROM TANK 8D-1 TO THE CFMT	SEP-00	
			#10177 PBS03	PREPARATION/APPROVALS FOR SNF SHIPMENTS	MAR-01	
			PBS02	SHIP 30,000 cu Ft (927 m3) OF LLW	SEP-00	
			PBS02	COMPLETE THE REFURBISHMENT OF THE PMC B, PMC C AND GPC B WINDOWS	JAN-00	
			PBS02	COMPLETE PRELIMINARY DESIGN OF THE REMOTE HANDLED WASTE FACILITY	AUG-00	
			PBS03	COMPLETE 100 TON CRANE MODIFICATIONS FOR PLANNED ENGINEERING LIFTS IN EXCESS OF 100 TONS FOR SPENT NUCLEAR FUEL HANDLING	FEB-00	
			PBS03	COMPLETE LINE MANAGEMENT SSEL-ASSESSMENT TO VERIFY READINESS TO SHIP SNF	SEP-00	
			PBS03	COMPLETE TRAINING AND CERTIFICATION OF SPENT FUEL HANDLERS	AUG-00	
			PBS02	ASSESS OPERATION OF THE 2ND LOBE PILOT SCALE PERMEABLE TREATMENT WALL	MAY-00	
			PBS01	DEVELOP A CURIE QUANTIFICATION METHOD TO ASSESS RESIDUAL ACTIVITY IN HLW STORAGE TANKS	MAR-00	
			PBS02	COMPLETE THE STARTUP AND TURNOVER TO OPERATIONS OF THE PROCESS MECHANICAL CELL CRANE ROOM ENCLOSURE	SEP-00	

**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)			
			PBS02	SHIP LLW PREPPED AND STAGED FOR SHIPMENT BY RAIL FROM THE WWDP VIA ON-SITE RAIL	SEP-00	
			PBS02	PREPARE PROGRAMMATIC BASIS FOR SHIPMENT OF LLW BY RAIL	JUN-00	
			PBS02	COMPLETE DESIGN OF ENCLOSURE FOR GENERAL PURPOSE CELL CRANE ROOM	MAY-00	
			PBS02	SUBMIT PRELIMINARY REMOTE HANDLED WASTE FACILITY SAR TO OH/WWDP FOR REVIEW AND APPROVAL	JAN-00	

FY 2000 Labor Summary 31-October 99 WVNS Personnel



Labor Budgeted	829	829	829	829	829	829	829	829	829	829	829	829	829
Actual Headcount	807												

Excludes 15 Casuals