M-32

United States Government **Department of Energy**

memorandum

Ohio Field Office
West Valley Demonstration Project

DATE: March 30, 2000

SUBJECT: West Valley Demonstration Project (WVDP) February 2000 Progress Report

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

Attached is the WVDP Progress Report for February 2000. Any questions regarding the information contained therein can be directed to Lisa M. Maul at (716) 942-2163.

Elizabeth Zanes for
Barbara A. Mazurowski, Director
West Valley Demonstration Project

Attachment: Subject Report

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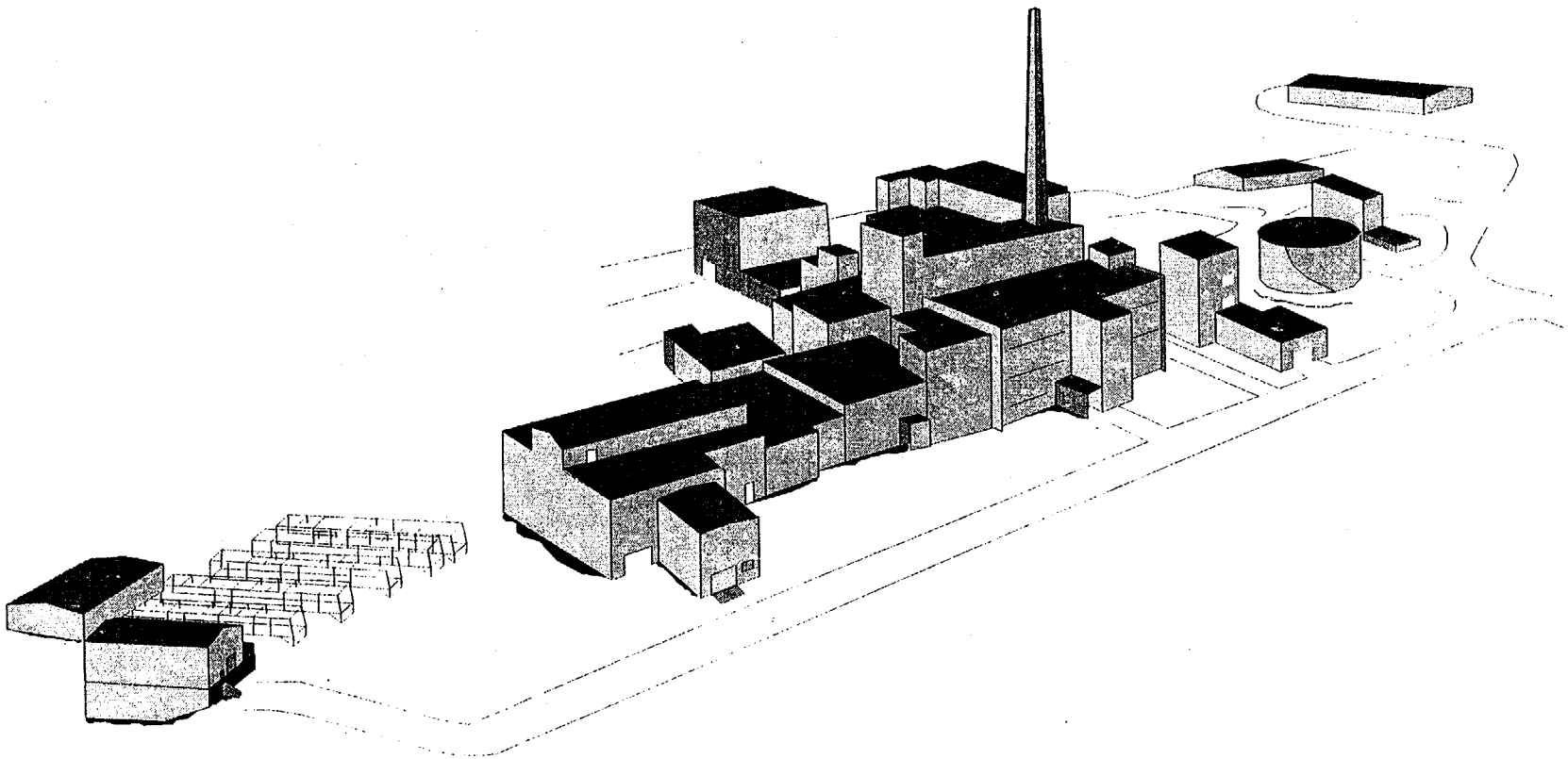
LMM/bma

NMSS01 Public

West Valley Demonstration Project
Progress Reports
February 2000



West Valley Demonstration Project
Progress Report
February 2000

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PROGRESS REPORT

Report No. 208
Reporting Period: February 2000

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 / 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

The Vitrification Facility melter is currently idle with the 247th canister, the 6th in FY 2000, under the melter feed pour spout. The average canister fill height for FY2000 is 93.15%, exceeding the Waste Acceptance Criteria (WAC) minimum requirement of 80% for disposal at the Federal Repository.

Preparatory characterization and retrieval efforts continue in the Head End Cells to reduce the risk of radiation exposure and contamination by removing Spent Nuclear Fuel (SNF) debris from the former fuel reprocessing cells. The hard walled airlock for the General Purpose Cell (GPC) Crane Room was received and set up in the Test and Storage Building to assure conformance to WVNS specifications prior to placement in the General Operating Aisle (GOA). The functional requirements of the airlock were met, and the unit is being disassembled and prepared for movement into the GOA. Preparations to allow for airlock installation are also nearing completion; the floor area of the GOA has been made ready. In addition, the master end of the old manipulator at the GPC C window was removed to make room for the airlock.

Progress continues on the design of the Remote Handled Waste Facility (RHWF), which will allow project personnel to safely prepare WVDP highly radioactive waste for shipping and off-site disposal. Butler/Raytheon has submitted for approval the Overall Plant Design Description, Radiation Protection and HVAC System. The submittal of these deliverables is in accordance with the accelerated design schedule. Raytheon has completed their staffing level increase to support the accelerated schedule. Butler/Raytheon and WVNS personnel also visited the Waste Receiving and Packaging (WRAP I) Facility in Hanford, Washington and obtained design/operational data on a bagless transfer system in use there. Fabrication and installation drawings for the bagless transfer system were reviewed, and a formal request is being prepared for the drawings to be transmitted electronically.

In support of the Environmental Impact Statement (EIS) Site Closure Alternative Analysis, Science Applications International Corporation (SAIC) is continuing work on the development of the next National Environmental Policy Act (NEPA) document. SAIC has prepared draft work plans for preparing EIS Chapters 3 (Alternatives), 4 (Affected Environment), and 5 (Environmental Consequences). In addition, SAIC is moving forward with the erosion model analysis incorporating results of the Water Erosion Prediction Project (WEPP) model. These outputs are being used to calibrate the SAIC SIBERIA model. The WEPP model provides a defensible calibration of SIBERIA model that eliminates weaknesses associated with other input models used previously.

To date, 17 intermodals and 12 boxes equaling 8058 ft^3 (228m^3) of radioactive Low Level Waste (LLW) have been shipped off-site for disposal. An additional 2973 ft^3 (84 m^3) of waste has been sorted and staged in preparation for shipment off-site and disposal. The commitment for LLW shipments in FY2000 is 30,000 ft^3 (850 m^3).

As part of Acceptance Testing Program agreed to by Nuclear Regulatory Commission (NRC) on February 14, 2000 in support of the effort to have the Spent Nuclear Fuel (SNF) shipping casks licensed for full-load spent fuel shipments, Transnuclear, Inc. (TN) has contracted Westmoreland Mechanical Testing & Research, Inc. (WMTR) to perform fracture toughness testing of the Borated Stainless Steel (BSS) plates. Two plates were removed from the top row of each cask basket and shipped to WMTR which has prepared the first test specimens. WVNS Quality Assurance participated with TN in a joint audit of WMTR on February 29. Charpy V-notch testing at room temperature was begun. Remaining testing is expected to be completed by the end of March. TN is preparing the specification for placing an order with Carpenter Technology for ASME coded BSS material for replacement plates for those removed for materials testing. Carpenter Technology will subcontract the fabrication of the replacement plates, as well as materials testing.

NARRATIVE HIGHLIGHTS AND ASSESSMENT

Overall Assessment

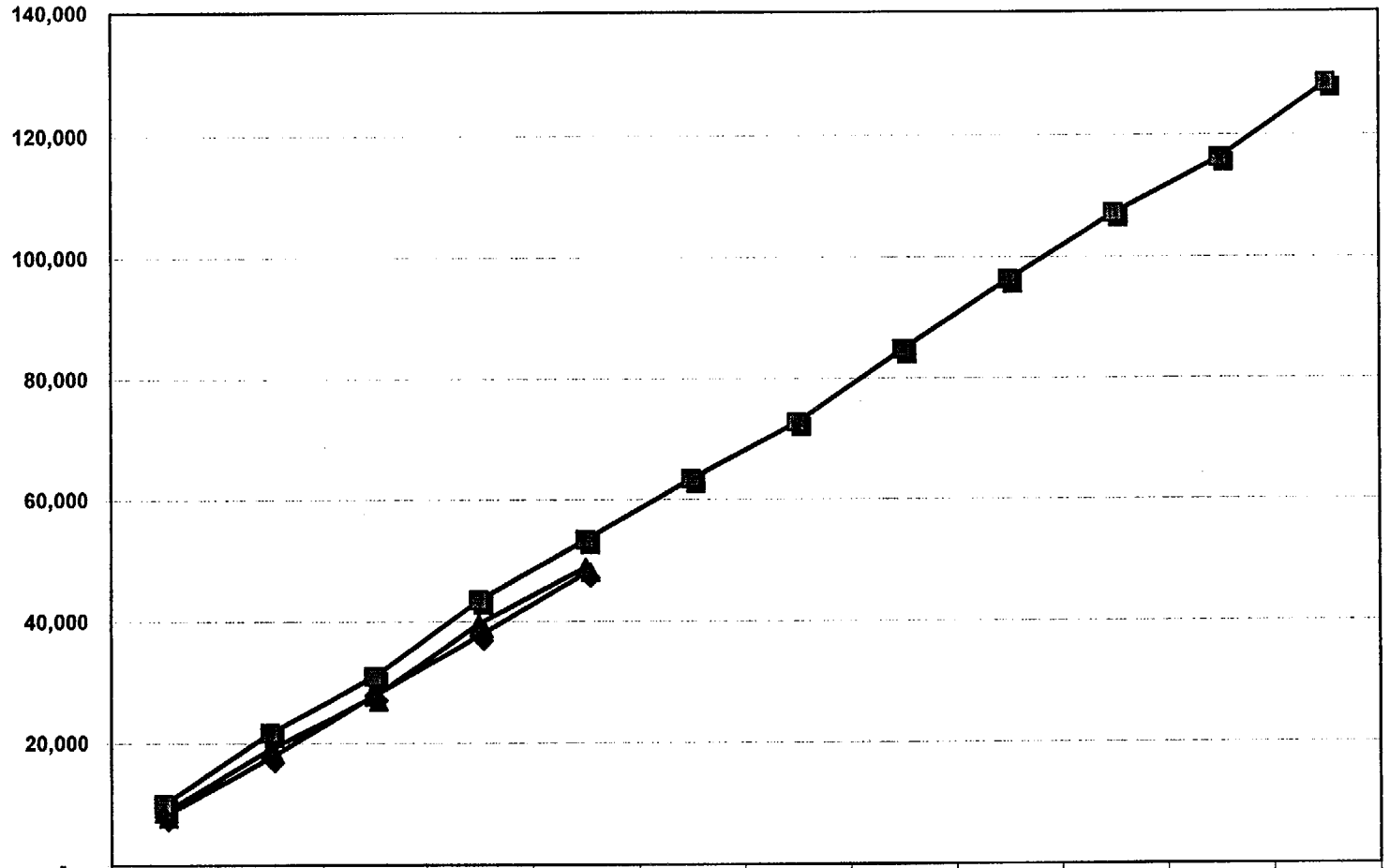
Assessment/Actions

The Project activities experienced no appreciable cost variance through February.

The Project experienced a $4.5 million cumulative negative schedule variance through February. This variance is primarily due to less than planned progress in construction of the Process Mechanical Cell Room (PMCR) Enclosure in support of the Head End Cell Project, development of the plan and conceptual design for size reduction/dismantlement of the Vitrification Facility, and cask licensing recertification for full load shipments of Spent Nuclear Fuel (SNF). These variances are calculated against a working schedule and do not jeopardize overall WVDP Commitments.

Performance to date for FY 2000 is 41.6% of work planned, 38% of work performed and 37% costed.

Total Project



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PROJECT BUDGET	9,980	21,663	30,949	43,469	53,391	63,408	72,732	84,726	96,297	107,232	116,271	128,404
PROJECT PERFORMANCE	8,662	19,001	27,660	39,634	48,843							
PROJECT ACTUAL	8,046	17,621	27,854	37,680	47,910							
DOE PBS BUDGET	9,814	21,156	30,335	42,594	52,354	62,185	71,405	83,015	94,316	104,987	113,959	125,701
DOE PBS PERFOMANCE	8,416	18,710	27,182	38,723	47,734	-	-	-	-	-	-	-
DOE PBS ACTUAL	9,471	19,459	30,109	39,351	49,320	-	-	-	-	-	-	-

NARRATIVE HIGHLIGHTS AND ASSESSMENT

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

Accomplishments/Status

The Vitrification Facility melter is currently idle with the 247th canister, the 6th in FY 2000, under the melter feed pour spout. The average canister fill height for FY2000 is 93.15%, exceeding the Waste Acceptance Criteria (WAC) minimum requirement of 80% for disposal at the Federal Repository.

The formal acceptance testing of the Advanced HLW tank waste retrieval system (AWRS) components at Specialty Maintenance and Construction, Inc. (SMCI) in Lakeland, Florida was successfully witnessed by engineering and Quality Assurance representatives the week of February 21. The video and test results are expected to be received the first week of March.

Eleven contaminated components have been size reduced using Vitrification Expended Materials Processing (VEMP) thus far this fiscal year, which successfully completes a commitment milestone ahead of the target date. Work continued on remote Generation-II equipment, as identified in the FY2000 VEMP Equipment Development Plan. A commercial, low-temperature steam washer (for potential conversion and use in-cell) was ordered; bids were received for services associated with testing the telerobotic manipulators; and a purchase order was placed for a "Partner" circular saw for testing with the manipulators. Vitrification Expended Materials Processing (VEMP) is a Technology Deployment activity partially funded by DOE EM-50.

High Level Waste (HLW) transfers from tank 8D-2 to Concentrator Feed Makeup Tank (CFMT) continue. Mid-batch calculations indicate an estimated 454,000 curies of Cesium and Strontium transferred and 2101 curies of alpha transuranics, Plutonium-241 and Technetium-99 transferred. Final and more accurate estimates will be available after all batch transfers are complete. The commitment for FY2000 is to transfer up to 2200 curies of alpha transuranics, Plutonium-241 and Technetium-99 to the Vitrification Facility for processing.

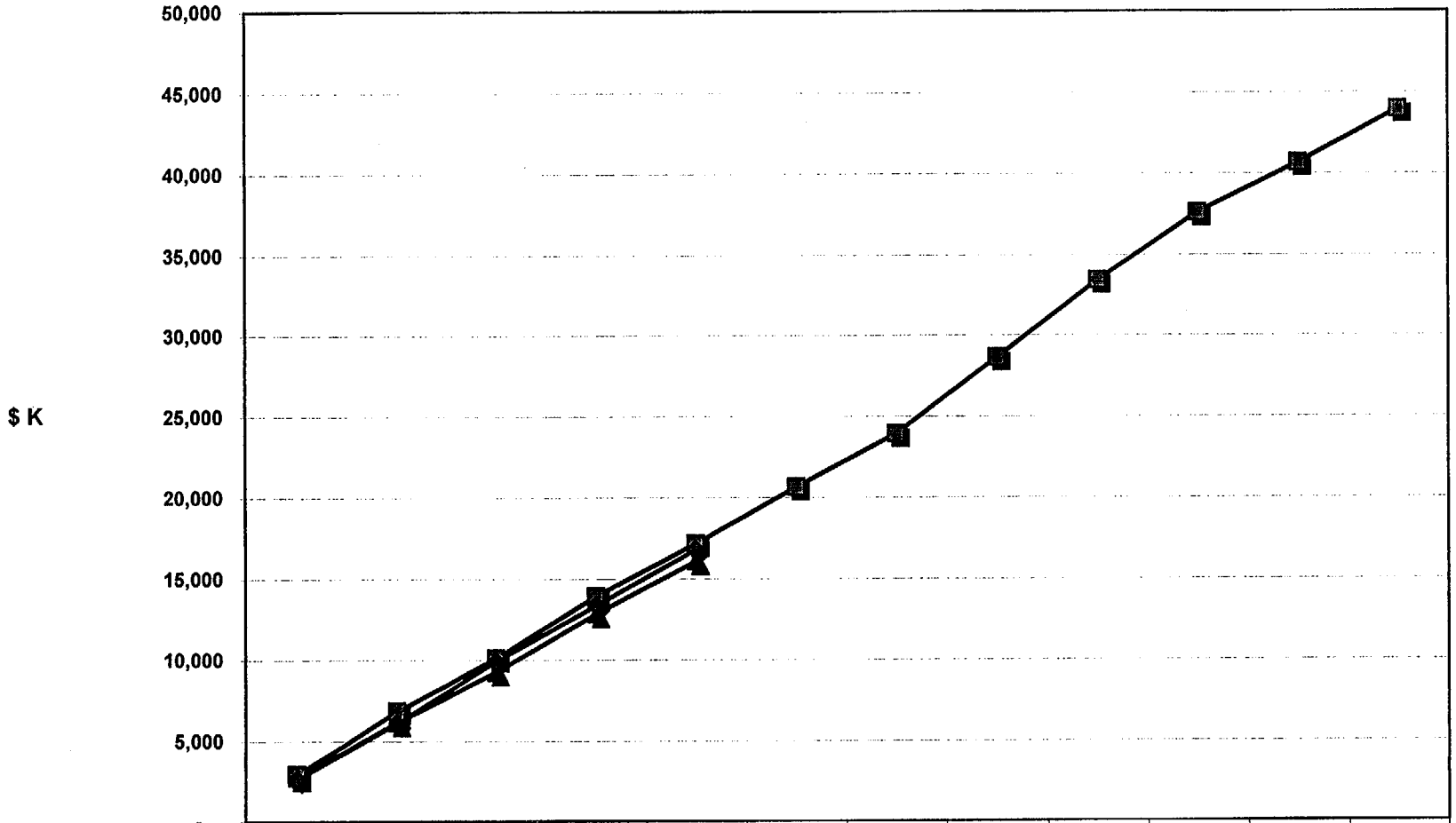
Phase 1 of the Mercury Abatement System has been completed and was turned over to HLW Operations on February 22, 2000. The sampling equipment will be operated by Dames & Moore for a break-in period to verify proper operation. Phase 2 of the project, including the Engineering Plans and Specifications will continue based on the New York State Department of Environmental Conservation (NYSDEC) comments on the submitted Engineering Report when they are received. All process tie-in piping is complete and in service. The ion exchange column skid and associated piping are complete and awaiting NYSDEC approval of the Engineering Report before connection can be made to the Liquid Waste Treatment System (LWTS). Although all initial system checkouts are complete, additional checkout will be scheduled subsequent to NYSDEC approvals of the engineering report, plans, and specifications. The Mercury Abatement System is designed to remove mercury from the LWTS effluent stream to allow LWTS operation at up to six gallons per minute and meets the State Pollution Discharge Elimination System (SPDES) 0.2 parts per billion mercury limitation at the lagoon outfall.

Assessment/Actions

HLW Vitrification & HAW Processing incurred no appreciable cost or schedule variance through February.

Performance to date for FY 2000 is 39.1% of work planned, 36.6% of work performed and 38.2% costed.

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



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PROJECT BUDGET	2,928	6,845	10,112	13,934	17,179	20,659	23,926	28,646	33,432	37,596	40,675	43,947
PROJECT PERFORMANCE	2,744	6,148	9,267	12,840	16,084							
PROJECT ACTUAL	2,666	6,128	9,935	13,350	16,800							
DOE PBS BUDGET	2,886	6,662	9,854	13,510	16,648	19,997	23,154	27,620	32,144	36,108	39,096	42,258
DOE PBS PERFOMANCE	2,701	6,042	9,055	12,130	15,113	-	-	-	-	-	-	-
DOE PBS ACTUAL	3,497	6,888	10,665	13,570	16,804	-	-	-	-	-	-	-

NARRATIVE HIGHLIGHTS AND ASSESSMENT

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

Accomplishments/Status

Preparatory characterization and retrieval efforts continue in the Head End Cells to reduce the risk of radiation exposure and contamination by removing Spent Nuclear Fuel (SNF) debris from the former fuel reprocessing cells. The hard walled airlock for the General Purpose Cell (GPC) Crane Room was received and set up in the Test and Storage Building to assure conformance to WVNS specifications prior to placement in the General Operating Aisle (GOA). The functional requirements of the airlock were met, and the unit is being disassembled and prepared for movement into the GOA. Preparations to allow for airlock installation are also nearing completion; the floor area of the GOA has been made ready. In addition, the master end of the old manipulator at the GPC C window was removed to make room for the airlock.

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To date, 17 intermodals and 12 boxes equaling 8058 ft^3 (228m^3) of radioactive Low Level Waste (LLW) have been shipped off-site for disposal. An additional 2973 ft^3 (84 m^3) of waste has been sorted and staged in preparation for shipment off-site and disposal. The commitment for LLW shipments in FY2000 is 30,000 ft^3 (850 m^3).

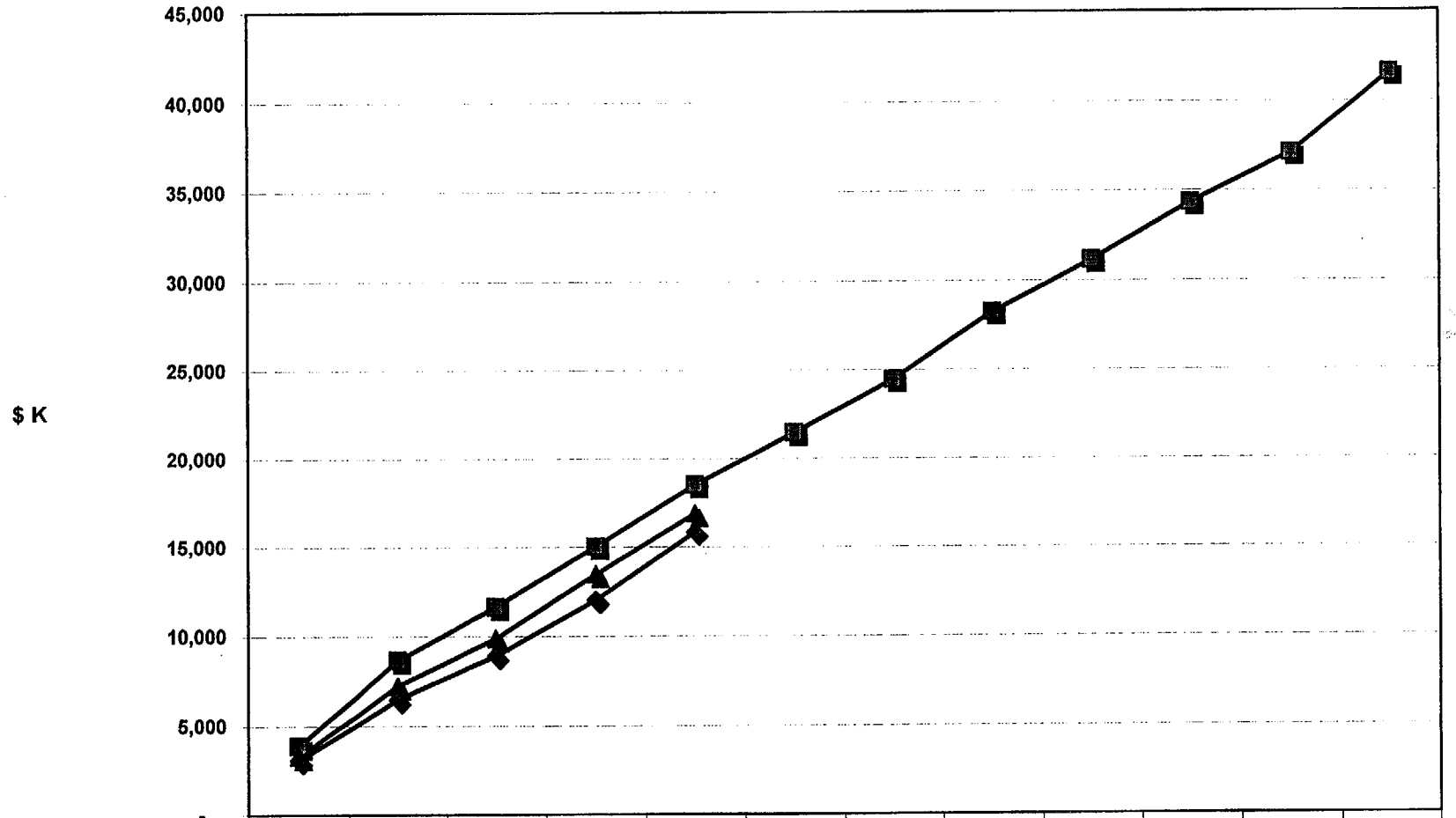
Assessment/Actions

The negative schedule variance was reduced by $0.19 million in January, resulting in a cumulative schedule variance of negative $1.61 million. This variance remains due primarily to less than planned progress in construction of the Process Mechanical Cell Room (PMCR) Enclosure, in support of the Head End Cell Project, and development of the plan and conceptual design for size reduction/dismantlement of the Vitrification Facility. The overall Head End Cell Project schedule remains on target.

The positive cost variance increased by $0.47 million in January, resulting in a cumulative cost variance of positive $1.40 million. This remains due primarily to less labor required than planned to perform Waste Management, Vitrification Expended Materials Processing, Facilities Stabilization and Site Decommissioning project activities.

Performance to date for FY 2000 is 36% of work planned, 32% of work performed and 29% costed.

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



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PROJECT BUDGET	3,890	8,656	11,638	15,034	18,529	21,447	24,441	28,252	31,139	34,332	37,131	41,568
PROJECT PERFORMANCE	3,324	7,227	9,875	13,455	16,882							
PROJECT ACTUAL	3,098	6,476	8,901	12,012	15,835							
DOE PBS BUDGET	3,776	8,339	11,298	14,628	18,055	20,949	23,918	27,622	30,495	33,643	36,437	40,704
DOE PBS PERFOMANCE	3,145	7,017	9,659	13,160	16,624	-	-	-	-	-	-	-
DOE PBS ACTUAL	3,185	6,898	9,559	12,663	16,563	-	-	-	-	-	-	-

NARRATIVE HIGHLIGHTS AND ASSESSMENT

PBS OH-WV-03: Spent Nuclear Fuel

Accomplishments/Status

As part of Acceptance Testing Program agreed to by Nuclear Regulatory Commission (NRC) on February 14, 2000 in support of the effort to have the Spent Nuclear Fuel (SNF) shipping casks licensed for full-load spent fuel shipments, Transnuclear, Inc. (TN) has contracted Westmoreland Mechanical Testing & Research, Inc. (WMTR) to perform fracture toughness testing of the Borated Stainless Steel (BSS) plates. Two plates were removed from the top row of each cask basket and shipped to WMTR which has prepared the first test specimens. WVNS QA participated with TN in a joint audit of WMTR on February 29. Charpy V-notch testing at room temperature was begun. Remaining testing is expected to be completed by the end of March. TN is preparing the specification for placing an order with Carpenter Technology for ASME coded BSS material for replacement plates for those removed for materials testing. Carpenter Technologies will subcontracts the fabrication of the replacement plates, as well as materials testing.

The proof test of the Fuel Receiving and Storage (FRS) crane hook was performed, the crane hook reinstalled, and the load test of the FRS 100 ton crane to over 120 tons was completed on February 24. The post load test inspection was successfully completed and the load test weights are being removed from the FRS.

The painting of the new Transnuclear Robert E. Ginna (TN-REG) cask transport frame has been completed and the frame was received at the WVDP on February 17, 2000. Preparation of the work document for final fit-up of the front cask trunnions on the new TN-REG cask transport frame is in progress. The fit-up will require placing the TN-REG cask into the transport frame. A meeting is scheduled for March 7 with all groups involved in the fit-up to discuss operational concerns.

A cask vacuum drying system (VDS) being leased from TN will be shipped to WVNS by March 24 with arrival expected by the end of March. A list of auxiliary equipment to be designed/fabricated/purchased for support of the VDS is being reviewed. The VDS will be used to remove the last of the excess liquid from the shipping casks prior to SNF shipment.

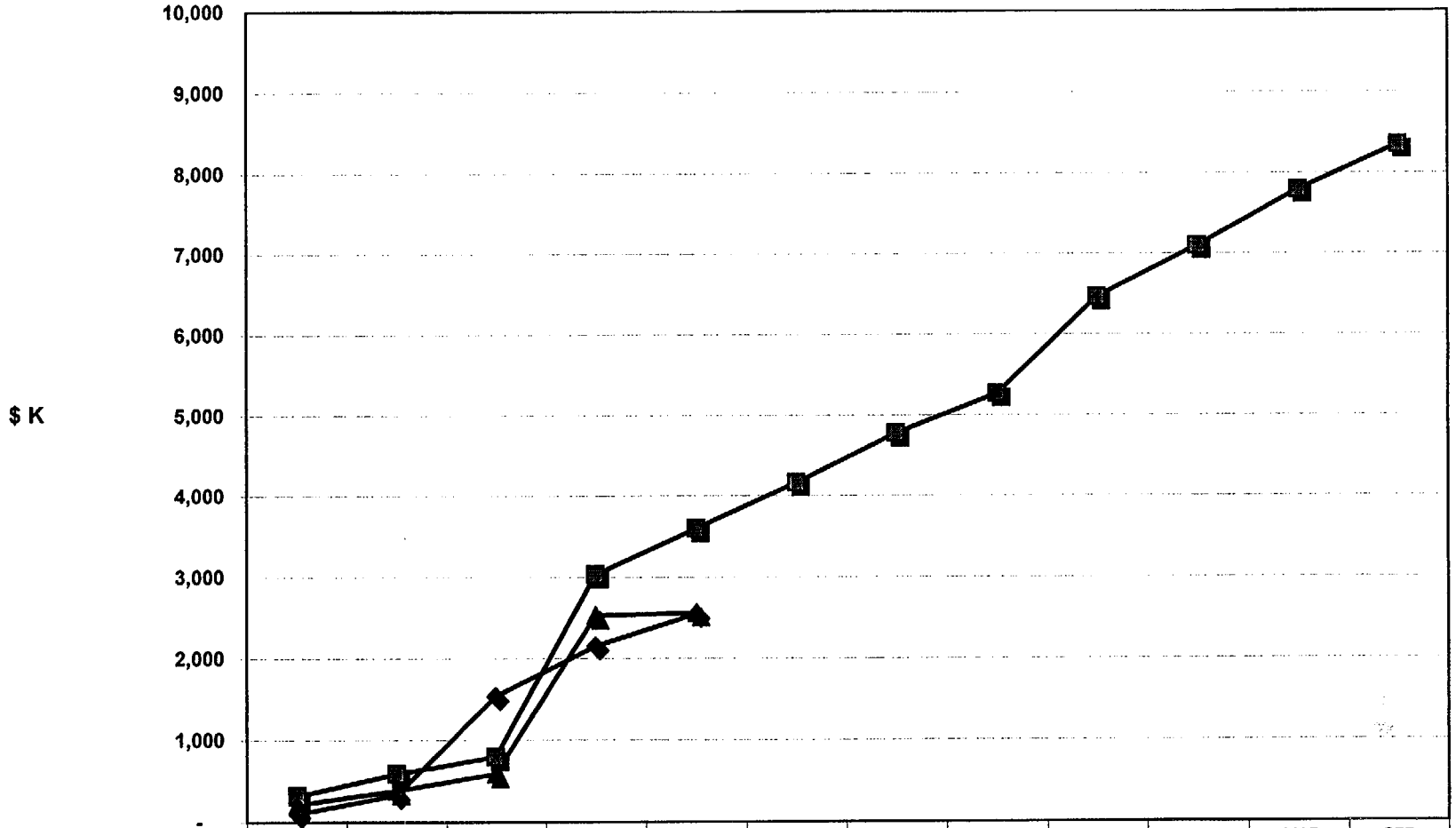
Assessment/Actions

The negative schedule variance increased by $0.30 million, resulting in a cumulative schedule variance of negative $0.51 million. This variance is primarily due to the fact that Bechtel, Babcock and Wilcox Idaho (BBWI) project support is behind the rebaselined schedule due to deferment of work related to half-load shipments.

The Spent Nuclear Fuel Project incurred no appreciable cost variance through February.

Performance to date for FY 2000 is 42.6% of work planned, 30.7% of work performed and 30.5% costed.

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



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PROJECT BUDGET	316	584	792	3,032	3,599	4,162	4,775	5,265	6,464	7,098	7,796	8,350
PROJECT PERFORMANCE	214	385	585	2,525	2,559							
PROJECT ACTUAL	103	332	1,536	2,153	2,548							
DOE PBS BUDGET	381	714	987	3,292	3,924	4,552	5,230	5,785	7,049	7,748	8,511	9,130
DOE PBS PERFOMANCE	290	532	748	2,880	2,931	-	-	-	-	-	-	-
DOE PBS ACTUAL	169	477	1,803	2,494	2,934	-	-	-	-	-	-	-

NARRATIVE HIGHLIGHTS AND ASSESSMENT

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

Accomplishments/Status

The FY2000 Business Management Oversight Program (BMOP) performance period has been established as December 1, 1999, through September 30, 2000. The functional areas to be assessed are: Printing and Duplication Services; Financial Management; Information Management; and the Make-or-Buy Plan. In addition, the Balanced Scorecard (BSC) will be included for Property Management and Procurement. The Performance Plan was revised per DOE comments and submitted to DOE on January 7, 2000.

There were no reportable clothing, skin, nasal, or internal contaminations (per DOE Order 232.1) for WVDP radiological workers in January 2000. There was one OSHA-recordable incident during February 2000, making the WVDP's calendar year-to-date Total Recordable Case Rate (TRC) 1.64.

The Y2K Project has transferred ninety percent of all records accumulated to the Records Management Department. The records still to be transferred will consist of required leap year rollover information and configuration management documentation. The Y2K Project is due to be complete at the end of March.

The design Phase for the Controlled Documents and Engineering Design Documents applications of the Electronic Data Management System (EDMS) is in process and on schedule. The functional requirements for the document library system for the D&D transition team have been reviewed and are now complete. Plans are to subcontract the design and development of the application. This is a separate but related effort to the Engineering Design Documents and Controlled Documents applications.

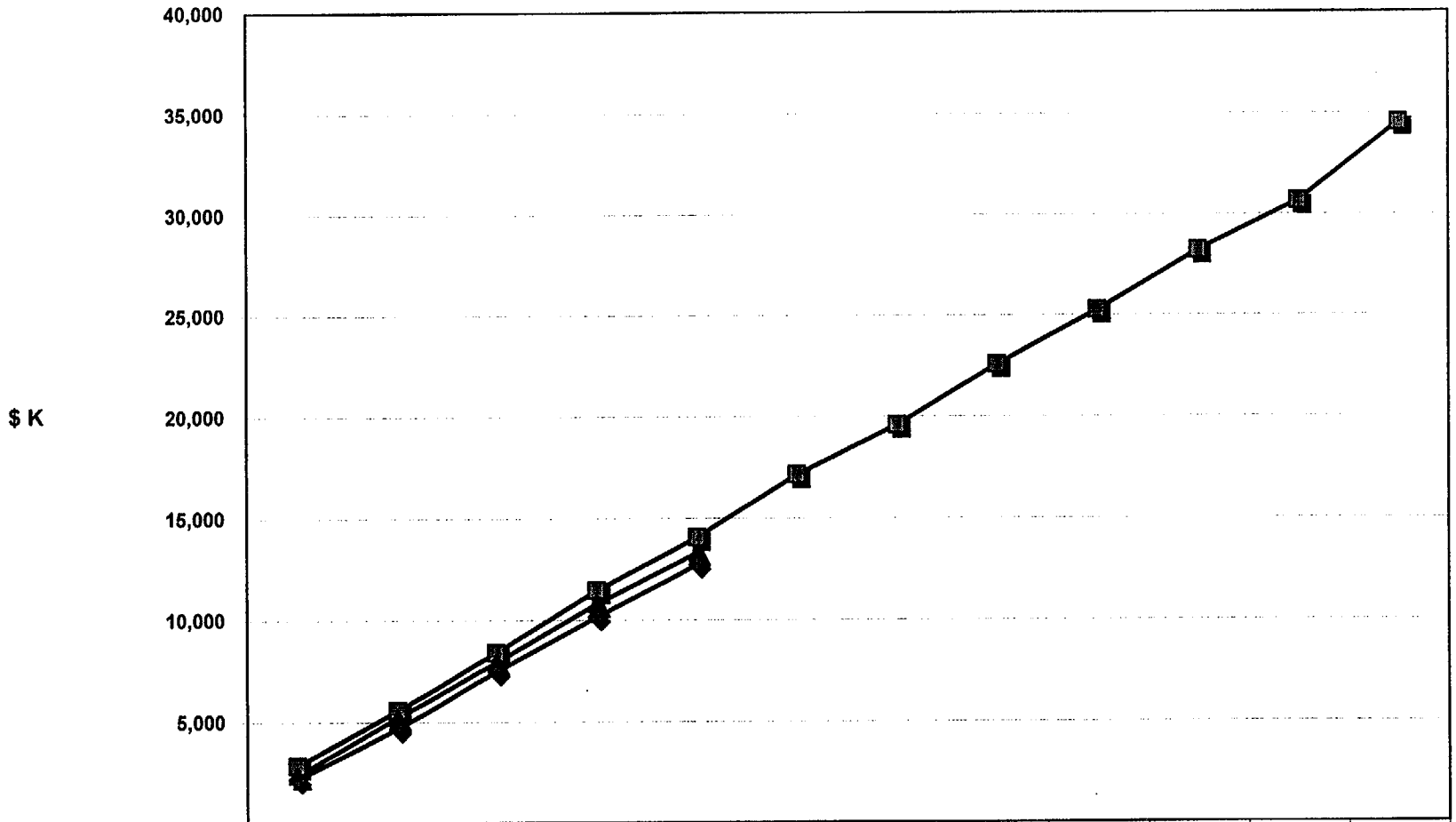
A contract was placed with ChemSW for the procurement of a new Chemical Inventory and Material Safety Data Sheet (MSDS) Tracking System (CIMTS). Currently the vendor is scheduled to be on site March 13-17 for initial project planning and software installation. Implementation is tentatively scheduled for this summer.

Assessment/Actions

Project Management/Site Support incurred no appreciable schedule or cost variance for February.

Performance to date for FY 2000 is 40.8% of work planned, 38.6% of work performed and 36.8% costed.

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



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PROJECT BUDGET	2,846	5,578	8,406	11,470	14,084	17,139	19,590	22,562	25,262	28,205	30,669	34,539
PROJECT PERFORMANCE	2,381	5,240	7,934	10,814	13,318							
PROJECT ACTUAL	2,180	4,686	7,482	10,164	12,727							
DOE PBS BUDGET	2,772	5,441	8,197	11,164	13,727	16,687	19,103	21,989	24,628	27,487	29,915	33,608
DOE PBS PERFOMANCE	2,280	5,119	7,720	10,553	13,066	-	-	-	-	-	-	-
DOE PBS ACTUAL	2,620	5,196	8,082	10,624	13,019	-	-	-	-	-	-	-

ADMINISTRATIVE

Project personnel as of February 29, 2000:

	Mgt	Prof	NE	Hourly	Total
WVNS On Board[1]	104	342	193	172	811
Contract Guard	0	0	0	26	26
Dames and Moore[2]	8	30	0	0	38
Project Total:	112	372	193	198	875

EEO Statistics:

	Mgt	Prof	NE	Hourly	Total
Minority (Included in WVNS Total)	10	43	11	13	77
Female (Included in WVNS Total)	14	75	123	24	236

[1] On Board total excludes 18 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

New York State Sales and Use Tax

The Respondent, the Commissioner of Taxation and Finance of the State of New York, filed its brief pertaining to the New York State Sales and Use Tax with the Appellate Division on December 27, 1999. WVNS submitted a reply brief with the Appellate Division on January 6, 2000. Oral Argument was held on February 14, 2000. WVNS expects a decision within three months.

TOTAL PROJECT EARNED VALUE REPORT

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	3,245	3,260	3,450	15	(190)	17,179	16,084	16,800	(1,095)	(716)	43,947
PBS 02 - SITE TRANSITION, DECOMMISSIONING & PROJECT COMPLETION	3,499	3,467	3,823	(32)	(356)	18,529	16,882	15,835	(1,647)	1,047	41,568
PBS 03 - SPENT NUCLEAR FUEL	567	35	395	(532)	(360)	3,599	2,559	2,548	(1,040)	11	8,350
PBS 04 - PROJECT MANAGEMENT & SITE SUPPORT	2,614	2,505	2,562	(109)	(57)	14,084	13,318	12,727	(766)	591	34,539
PMB	9,925	9,267	10,230	(658)	(963)	53,391	48,843	47,910	(4,548)	933	128,404
WVNS MR	-	-	-	-	-	-	-	-	-	-	953
TOTAL WVNS	9,925	9,267	10,230	(658)	(963)	53,391	48,843	47,910	(4,548)	933	129,357
Deobligations/Expense	205	23	23	(182)	-	1,024	212	212	(812)	-	2,458
Taxes	-	-	-	-	-	-	-	-	-	-	1,500
Fee/Credit/Other	958	1,086	1,086	128	-	4,788	5,282	5,282	494	-	11,491
DOE MR	-	-	-	-	-	-	-	-	-	-	(389)
Non Project	2	2	2	-	-	10	10	10	-	-	25
s/t	1,164	1,111	1,111	(53)	-	5,822	5,504	5,504	(318)	-	15,085
FY 2000 TOTAL WVDP	11,089	10,378	11,341	(711)	(963)	59,213	54,347	53,414	(4,866)	933	144,442

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)

Project Budget	Prior	FY2000	FY 2001-2015	Total
PBS 1 High-Level Waste Processing	-	43,947	81,066	**125,013**
PBS 2 Transition & Project Completion	-	41,568	1,186,565	**1,228,133**
PBS 3 Spent Nuclear Fuel	-	8,350	10,477	**18,827**
PBS 4 Project Management & Support	-	34,539	455,152	**489,691**
Prior - WBS	1,419,616			**1,419,616**
Escalation	-	-	349,888	**349,888**
PMB Line	**1,419,616**	**128,404**	**2,083,148**	**3,631,168**
WVNS Mgmt. Reserve	-	**953**	-	**953**
Contract Budget Base	**1,419,616**	**129,357**	**2,083,148**	**3,632,121**
Deobs to Other Sites/Expense	66,383	2,458	-	**68,841**
IWOs to Other Sites	1,763	-	-	**1,763**
Fee/Credit	150,572	11,491	-	**162,063**
DOE Mgmt. Reserve	-	(389)	-	**(389)**
Relocation	1,179	-	-	**1,179**
Taxes	-	1,500	-	**1,500**
Non Project	-	25	-	**25**
TOTAL TPCE (YOE)	**1,639,513**	**144,442**	**2,083,148**	**3,867,078**

Project Funding Sources	Prior	FY2000	FY 2001-2015	Total
Dept. of Energy YOE (PBS 1-4)	1,470,884[1]	106,942	1,875,943	**3,453,769**
Dept. of Energy YOE (OTHER)	1,306	1,650	-	**2,956**
Dept. of Energy C/O	15,543[2]	-	-	**15,543**
Dept. of Energy C/O(Other)	204	-	-	**204**
N.Y. State Funding	129,652	9,969	207,205	**346,826**
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**	**120,239**	**2,083,148**	**3,858,975**

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.

Project Budget	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
PBS 1 High-Level Waste Processing	41,977	51,889	33,302	-	-	-	-	-
PBS 2 Transition & Project Completion	31,222	35,994	62,700	98,110	101,371	103,888	107,200	106,422
PBS 3 Spent Nuclear Fuel	7,700	6,400	2,400	1,100	600	600	-	-
PBS 4 Project Management & Support	37,070	33,000	33,433	34,888	35,633	36,340	37,140	37,918
TOTAL BUDGET (YOE $K)	117,969	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)	106,942	115,195	118,891	120,799	123,905	126,806	129,906	129,906
N.Y. State Funding	11,027	12,088	12,943	13,300	13,700	14,023	14,434	14,434
TOTAL PROJECT (YOE $K)	117,969	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%)

PROJECT RESERVE TRANSACTIONS FY2000

WVNS MR BEGINNING BALANCE 2,000

PMB/CBB

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	TOTAL
NO TRANSACTIONS	0												0
PMB 2000006 LOW LEVEL RAD WASTE DISPOSAL - CONTRACT RECONCILIATION		-273											-273
PMB 2000007 VIT MERCURY REMOVAL		-300											-300
PMB 2000009 RETURN FOR WASTE TANK GRAB SAMPLER PROTOTYPE		200											200
PMB 2000009 REQUEST FOR COMPLETION OF 8D-2/M-7 ENCL ELECTRICAL		-200											-200
PMB 2000008 RECONCILE BUDGET FOR CONSTR OF THE PMC CRANE RM ENCLSR			-700										-700
PMB 2000015 RETURN DUE TO DAMES & MOORE CONTRACT RECONCILIATION				127									127
PMB 2000030 ADD OF NY STATE PORTION OF 650K FOR TANK HEEL RETRIEVAL TECH				161									161
PMB 2000032 DELETE SCOPE FOR ENG EVAL OF HEAD END CELL				125									125
PMB 2000032 REQUEST SUBCONTRACT ENG SUPPORT OF PROCESS MECHANICAL CELL				-125									-125
PMB 2000033 REQUEST SUBCONTRACT TO SUPPORT INT AUDIT & EMPL CONCERNS PROG				-62									-62
													0
													0
													0
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													0
WVNS MR TOTAL	0	-573	-700	226	0	0	0	0	0	0	0	0	953

DOE MR BEGINNING BALANCE 2,000

PMB/CBB

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	TOTAL
OCTOBER - NO TRANSACTIONS	0												0
NOVEMBER - NO TRANSACTIONS		0											0
CBB 2000005 RETURN SCOPE/BUDGET FROM COST ACCOUNTS			170										170
CBB 2000005 DEOB 170K TO ENVIROCARE FOR LOW LEVEL RAD WASTE DISPOSAL			-170										-170
PMB 2000028 RETURN 900K FROM 103200 FOR EIS PREP ASSIST FROM SAIC			900										900
CBB 2000017 REVISION OF SPENT FUEL SHIPPING BASELINE				-2832									-2832
CBB 2000039 FUNDING REDUCTION					-457								-457
													0
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DOE MR TOTAL	0	0	900	-2832	-457	0	0	0	0	0	0	0	-389

Note: Dollars in thousands

WEST VALLEY DEMONSTRATION PROJECT FINANCIAL REPORT
FISCAL YEAR 2000

Contract Number: DE-AC24-81NE44139

Dollars expressed in thousands.

Reporting Period:
February 2000

WBS Description	Prior Years Uncosted (C/O)	FY 2000 Initial BA	Obligations Available to Date	FY 2000 Planned Budget	FY 2000 Costs to Date	Outstanding Obligations to Go	Budget Planned to Date
OH-WV-01 HLW Vit & HAW Processing	1,024	37,779	38,803	41,797	16,804	21,999	17,415
OH-WV-02 Site Transition, Decommission & Proj C	10,688	28,216	38,904	39,594	16,512	22,392	16,498
OH-WV-03 Spent Nuclear Fuel	1,243	7,700	8,943	9,012	2,803	6,140	3,755
OH-WV-04 Project Management / Site Support	909	33,363	34,272	33,479	12,990	21,282	13,950
Contingencies , Reserves & Taxes	0	0	4,755	2,064	0	0	0
SUBTOTAL DOE EX05 CONTRACT	13,864	107,058	125,677	125,946	49,109	71,813	51,618
Other Ohio Office Obligations	177	(116)	174	174	41	29	41
TOTAL OHIO OFFICE	14,041	106,942	125,851	126,120	49,150	71,842	51,659
TOTAL DOE OBLIGATIONS ***	1,539	0	2,284	2,284	171	2,113	171
EX05 PROJECT OBLIGATED FUNDS	15,580	106,942	122,522	128,404	49,321	73,955	51,829
Unobligated Funds:	0	0	0	0	0	0	0
TOTAL EX05 PROJECT FUNDING FY99:	15,580	106,942	122,522	128,404	49,321	73,955	51,829
Non EX-05 Funding	93	1,650	1,743	1,743	2,032	1,244	1,743
TOTAL DOE	15,673	108,592	124,265	130,147	51,353	75,199	53,572
NYSERDA NE Project (SDA Share)	0	0	0	0	0	0	0
NYSERDA NE Proj. (EIS Share) + Fee	0	412	412	412	160	252	172
NYSERDA NS Project + Fee	353	9,969	10,322	12,618	2,900	7,422	5,258
NYSERDA Credit	0	1,241	1,241	1,241	517	724	517
NYSERDA NY Non-Project + Fee	0	25	25	25	10	0	10
TOTAL WVDP:	16,026	120,239	136,265	144,443	54,940	83,597	59,529

*** 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

Contract Number: DE-AC24-81NE44139

Dollars expressed in thousands.

Reporting Period:
February 2000

DOE Obligations	Prior Years Uncosted (C/O)	FY 2000 Initial BA	Obligations Available to Date	FY 2000 Planned Budget	FY 2000 Costs to Date	Outstanding Obligations to Go	Budget Planned to Date
DOE Obligation: Battelle PNNL (RL)	93	0	93	93	0	93	23
DOE Obligation: Ohio (SAIC)	1,229	0	1,229	1,229	111	1,118	307
DOE Obligation: Rocky Flats (SAIC Non-EIS)	11	0	11	11	0	11	3
DOE Obligation: Envirocare	89	0	259	259	(60)	319	0
DOE Obligation: BBWI	116	0	116	116	114	2	114
DOE Obligation: NRC	0	0	575	575	5	570	5
TOTAL DOE OBLIGATIONS	1,539	0	2,284	2,284	171	2,113	452

Non EX 05 Funding	Prior Years Uncosted (C/O)	FY 2000 Initial BA	Obligations Available to Date	FY 2000 Planned Budget	FY 2000 Costs to Date	Outstanding Obligations to Go	Budget Planned to Date
SR work Authorization	10	0	10	10	0	10	3
Pollution Prevention	6	0	6	6	0	6	2
Y2K Compliance	70	0	70	70	23	47	18
ASTD Projects: VEMP	7	1,650	1,657	1,657	476	1,181	414
Undistributed Costs	0	0	0	0	1,533	0	0
Non EX05 Funding Total	93	1,650	1,743	1,743	2,032	1,244	436

West Valley Demonstration Project
Monthly Earned Value Summary at EX05 PBS Level
Funding by Approp/Ops Office/B&R Code/Contractor
Fiscal Year 2000

Reporting Period:
February 2000

PBS # Description	Current Period BCWS	BCWP	ACWP	Schedule Variance	Cost Variance	Total BA	Cumulative to Date BCWS	BCWP	ACWP	Schedule Variance	Cost Variance
OHWV01 - HLW Vit & High Activ Proc EX05H5010	3,143	2,983	3,234	(160)	(251)	38,899	16,648	15,113	16,804	(1,535)	(1,691)
OHWV02 - Site Trans, Decm, & Prj Comp EX05H5020	3,436	3,464	3,900	28	(436)	40,240	18,055	16,624	16,563	(1,431)	61
OHWV03 - Spent Nuclear Fuel EX05H5030	618	51	440	(567)	(389)	9,060	3,924	2,931	2,934	(993)	(3)
OHWV04 - Project Mgmt/Site Support EX05H5040	2,567	2,513	2,395	(54)	118	34,324	13,727	13,066	13,019	(661)	47
Total DOE by PBS	9,764	9,011	9,969	(753)	(958)	122,522	52,354	47,734	49,320	(4,620)	(1,586)

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	Note 2
#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	Note 1
#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.

Note 2 Milestone will be revised pending outcome of DOE/NYS Preferred Alternative Negotiations

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	Note 2
		#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	Note 1
		#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	

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

Note 2 Milestone will be revised pending outcome of DOE/NYS Preferred Alternative Negotiations

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		COMPLETE HLW LOAD-OUT FACILITY CONSTRUCTION	SEP-05	
		PBS02				
		#11395		COMPLETE PREPARATIONS FOR TRU WASTE SHIPMENTS	SEP-05	
		PBS02				
		#11387		COMPLETE REMOVAL OF PROCESS BUILDING RETRIEVEABLE CONTAMINATION	SEP-05	
		PBS02				
		#10179		COMPLETE D&D OF FUEL RECEIVING & STORAGE AREA	SEP-05	
		PBS03				
		#11396		BEGIN WV TRU SHIPMENT TO RECEIVER SITE	OCT-05	
		PBS02				
		#11375		COMPLETE REMOVAL OF CONTAMINATED EQUIPMENT/PIPING FROM VIT FAC	SEP-06	
		PBS02				
		#11381		COMPLETED PROCUREMENT OF HLW CASKS/RECEIVER SITE MODS/AGREEMENT	SEP-06	
		PBS02				
		#11382		BEGIN HLW CANISTER SHIPMENT	OCT-06	Note 1
		PBS02				
		#11383		COMPLETE HLW CANISTER SHIPMENT	SEP-10	Note 1
		PBS02				
		#11388		COMPLETE PROCESS BUILDING DECON BEFORE FINAL DISPOSITION	SEP-10	
		PBS02				
		#11389		COMPLETE TREATMENT/PACKAGING OF VF/PB DECON RH-TRU/HAW	SEP-10	
		PBS02				

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		COMPLETED D&D OF VIT FAC & HLW TANK FARM	SEP-10	
		PBS02				
		#11391		COMPLETE TREATMENT/PACKAGING OF CPC/WSA RH-TRU/HAW	SEP-12	
		PBS02				
		#11399		COMPLETE D&D OF BALANCE OF PROJECT FACILITIES PER ROD/NRC	SEP-13	
		PBS02				
		#11397		COMPLETE WV TRU SHIPMENT TO RECEIVER SITE	SEP-13	
		PBS02				
		#11392		COMPLETE D&D OF REMOTE HANDLED WASTE FACILITY	SEP-14	
		PBS02				
		#11400		COMPLETE LLW SHIPMENTS	SEP-14	
		PBS02				
		#11384		COMPLETE FINAL DISPOSITION OF PB/VF/TF PER ROD	SEP-15	
		PBS02				
		#11398		CLOSEOUT DOCUMENTATION FOR PROJECT COMPLETION	SEP-15	
		PBS02				
			#11266	DEVELOP A PREFERRED ALTERNATIVE FOR THE SITE EIS	JUN-99	Forecast
			PBS02			April 2000
				TRANSFER GREATER THAN 1,610 CURIES OF Pu-241 AND Tc-99 TO THE CFMT	SEP-00	
			PBS01			
				IDENTIFY AND SIZE REDUCE 8 ITEMS VITRIFICATION EXPENDED MATERIAL	SEP-00	
			PBS01	SUSPECTED TO BE CONTAMINATED WITH HLW IN CELL USING SELECT TOOLING		

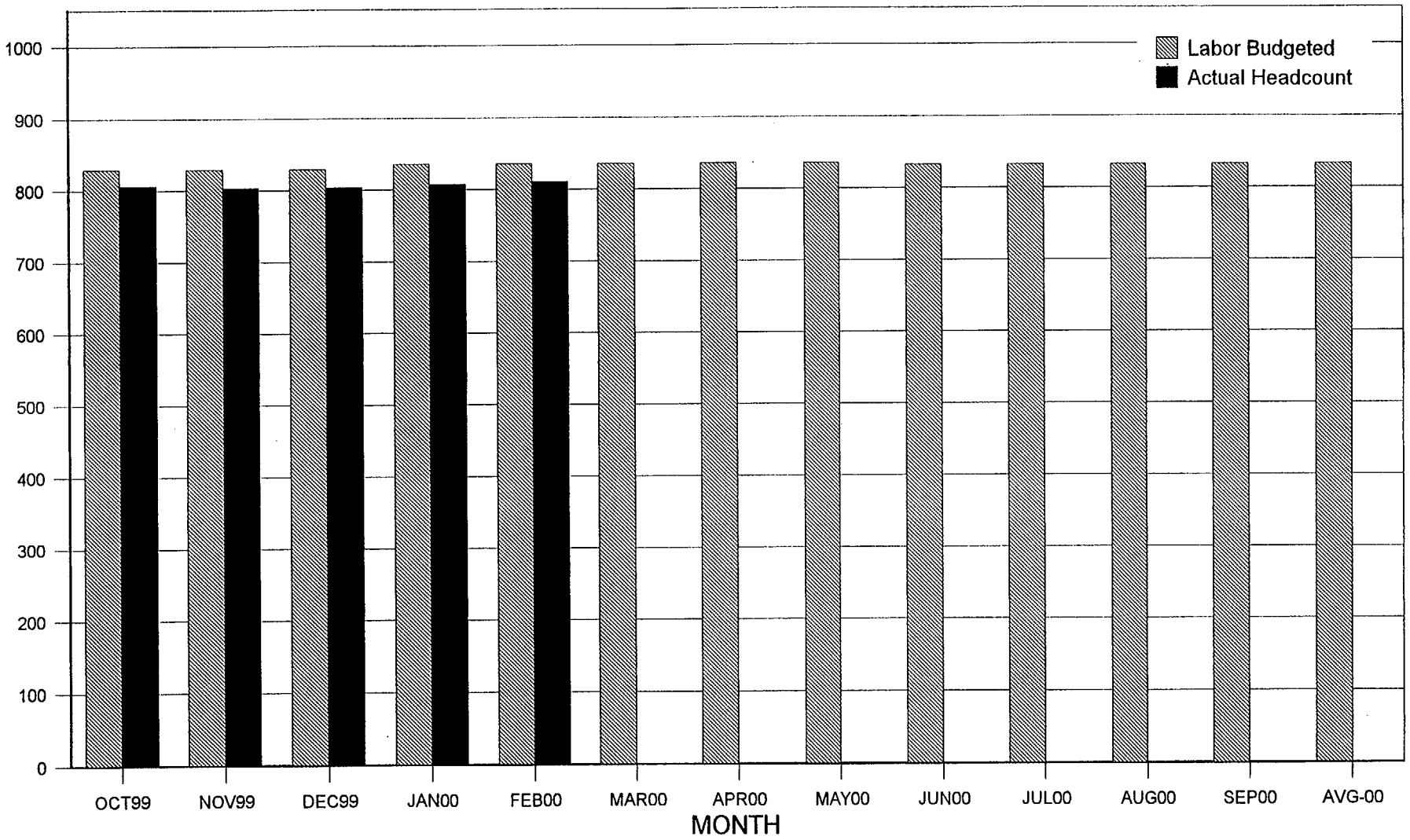
West Valley Demonstration Project
Accelerated Cleanup Path to Closure Planning Level Data
Milestone Listing

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	COMPLETE PREPARATION/APPROVALS FOR SNF SHIPMENTS	MAR-01	
			PBS02	SHIP 30,000 cu Ft (850 m3) OF LLW	SEP-00	
			PBS02	COMPLETE THE REFURBISHMENT OF THE PMC B, PMC C AND GPC B WINDOWS	JAN-00	Complete JAN 29, 2000
			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	Complete JAN 28, 2000
			PBS03	COMPLETE LINE MANAGEMENT SELF-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 WVDP 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/WVDP FOR REVIEW AND APPROVAL	JAN-00	Complete JAN 4, 2000

FY 2000 Labor Summary 29-February-2000
WVNS Personnel



Labor Budgeted	829	829	829	836	836	836	836	836	833	833	833	833	833
Actual Headcount	807	804	804	808	811								

Excludes 18 Casuals