

memorandum

Ohio Field Office
West Valley Demonstration Project

DATE: February 14, 2000

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

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

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

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

Attachment: WVDP Progress Report December 1999

cc: J. J. Fiore, DOE-HQ, EM-30, 5B-050/FORS, w/att.
W. E. Murphie, DOE-HQ, EM-31, 2175/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.

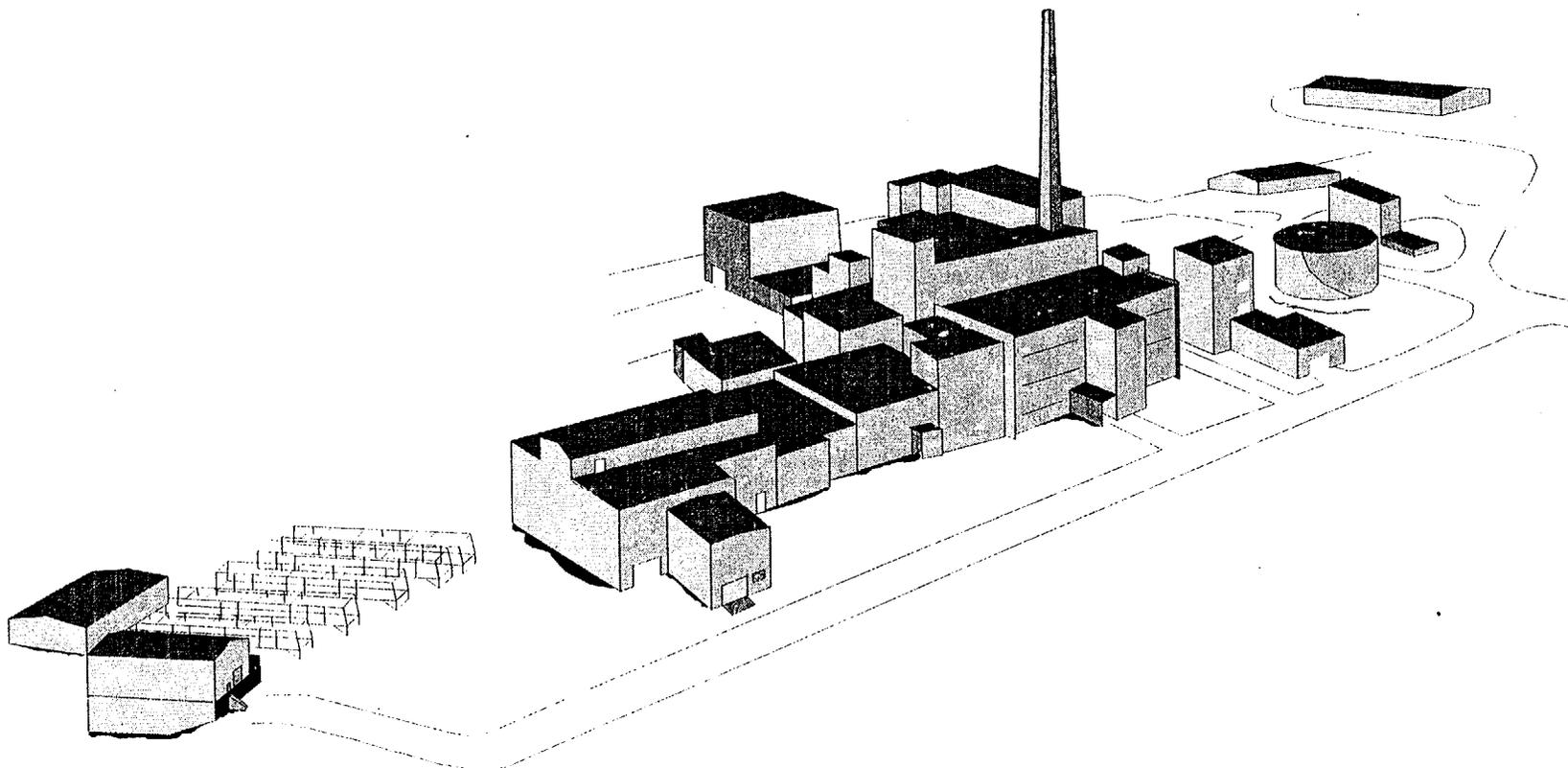
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West Valley Demonstration Project Progress Reports December 1999



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

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PROGRESS REPORT

Report No. 206
Reporting Period: December 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 / 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

Progress continues toward high-level waste (HLW) tank heel removal. Completed work during December 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 boil down of liquids in the Vitrification Facility Concentrator Feed Makeup Tank (CFMT), and waste transfers from Tank 8D-2 to the CFMT.

The Vitrification Facility melter is currently idle with the 245th canister, the 4th in FY 2000, under the melter feed pour spout. The average 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. Eight items of VEM have been size reduced and a ninth item began size reduction this fiscal year, fulfilling the commitment to size reduce at least eight items of Vit Expended Material by September 30, 2000. The first container of Vitrification Expended Material (VEM), classified as LLW, was processed through VEMP and transferred out of the Vitrification Facility with radiation readings significantly less than 100mR, allowing movement of the container to lag storage.

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. Remote-Handled Waste Facility Preliminary Safety Analysis Report (RHWF-PSAR) will be issued to the DOE for their review and comments on January 4, 2000, several days ahead of an already aggressive schedule. An overview of the RHWF-PSAR will be provided to DOE reviewers on January 10, 2000. The Commitment is to transmit a complete Preliminary Safety Analysis Report (PSAR) to DOE-OH/WVDP by January 15, 2000.

As part of the preparations for Spent Nuclear Fuel shipments to INEEL the project has performed a series of activities. The Buffalo and Pittsburgh Railroad (B&PRR) has completed replacement of cross ties between Ashford Junction and the WVDP. Approximately 14,000 rail cross ties were replaced. Required track replacement has been completed between Ashford Junction and Machias. Approximately 6,000 linear feet of track were replaced. The track between Ashford Junction and Machias has been raised, surfaced, aligned, leveled, and gauged. Track replacement and track bed work between Ashford Junction and the WVDP spur will resume about March 1. All work required to upgrade the rail line to a Federal Rail Administration Class 2 line is scheduled to be completed by July, 2000.

Han-Tek, Inc. personnel completed final modifications required for planned engineered lifts of up to full loads of the spent fuel shipping casks, including new hook and gear installation. A purchase order supplement for Han-Tek to perform an Occupational Safety and Health Administration-type inspection has been issued and a draft work order to load test the 100-ton crane to 108 tons has been prepared and is being reviewed. The commitment date for completion of 100 ton crane modifications is February 28, 2000.

The Citizen Task Force (CTF) met on November 30, 1999 to begin discussing their comments on the Nuclear Regulatory Commission's (NRC) draft Policy Statement on Decontamination and Decommissioning Criteria for the WVDP as part of the overall EIS process to determine final disposition status of facilities at the site. NRC's public release for comment of this draft Policy Statement took place on December 3, 1999. The comment period will be 60 days. During this comment period, NRC is planning to conduct a public meeting at WVDP to discuss the policy statement and to solicit additional comments. The public meeting is planned for January 5, 2000, at the Ashford Office Complex.

NARRATIVE HIGHLIGHTS AND ASSESSMENT

Overall Assessment

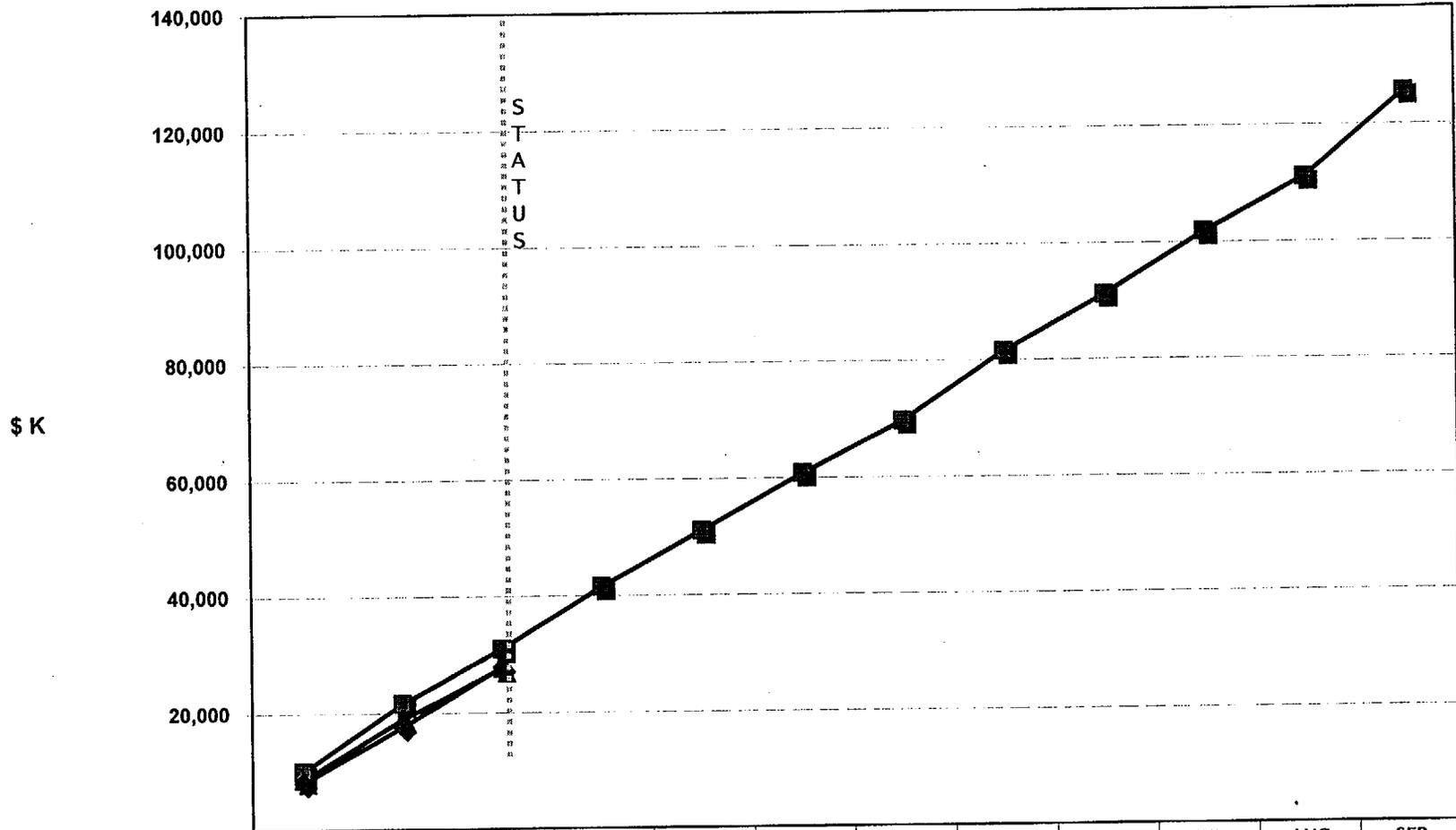
Assessment/Actions

The Project activities experienced no appreciable cost variance through December.

The Project activities experienced no appreciable schedule variance through December.

Project Performance to date for FY2000 is 25% of work planned, 22% of work performed and 22% costed.

Total Project



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PROJECT BUDGET	9,980	21,664	30,952	41,549	51,066	60,795	69,745	81,512	91,276	101,811	110,996	125,662
PROJECT PERFORMANCE	8,616	18,965	27,608									
PROJECT ACTUAL	8,046	17,621	27,854									
DOE PBS BUDGET	9,814	21,157	30,337	40,720	50,116	59,703	68,587	80,002	89,607	99,912	109,063	123,310
DOE PBS PERFORMANCE	8,416	18,710	27,182	-	-	-	-	-	-	-	-	-
DOE PBS ACTUAL	9,471	19,459	30,109									

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. Completed work during December 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 boil down of liquids in the Vitrification Facility Concentrator Feed Makeup Tank (CFMT), and waste transfers from Tank 8D-2 to the CFMT.

The Vitrification Facility melter is currently idle with the 245th canister, the 4th in FY 2000, under the melter feed pour spout. The average canister fill height for FY2000 is 93.6%, exceeding the Waste Acceptance Criteria (WAC) minimum requirement of 80% for disposal at the Federal Repository.

Advanced waste retrieval system components (mast-tool-delivery system, prototype grinder-separator, Rotek-bearing assembly, hydraulic supply, video equipment, and control skid) have been received at Specialty Maintenance and Construction, Inc. (SMCI) in Lakeland, Florida, for assembly. WVNS engineering personnel are at SMCI coordinating set up for the testing of the equipment. Full-scale testing of the assembled system is scheduled to begin on January 3.

Vitrification Expended Materials Processing (VEMP) is a Technology Deployment activity partially funded by DOE EM-50. Eight items of VEM have been size reduced and a ninth item began size reduction this fiscal year, fulfilling the commitment to size reduce at least eight items of Vit Expended Material by September 30, 2000. The first container of Vitrification Expended Material (VEM), classified as LLW, was processed through VEMP and transferred out of the Vitrification Facility with radiation readings significantly less than 100mR, allowing movement of the container to lag storage.

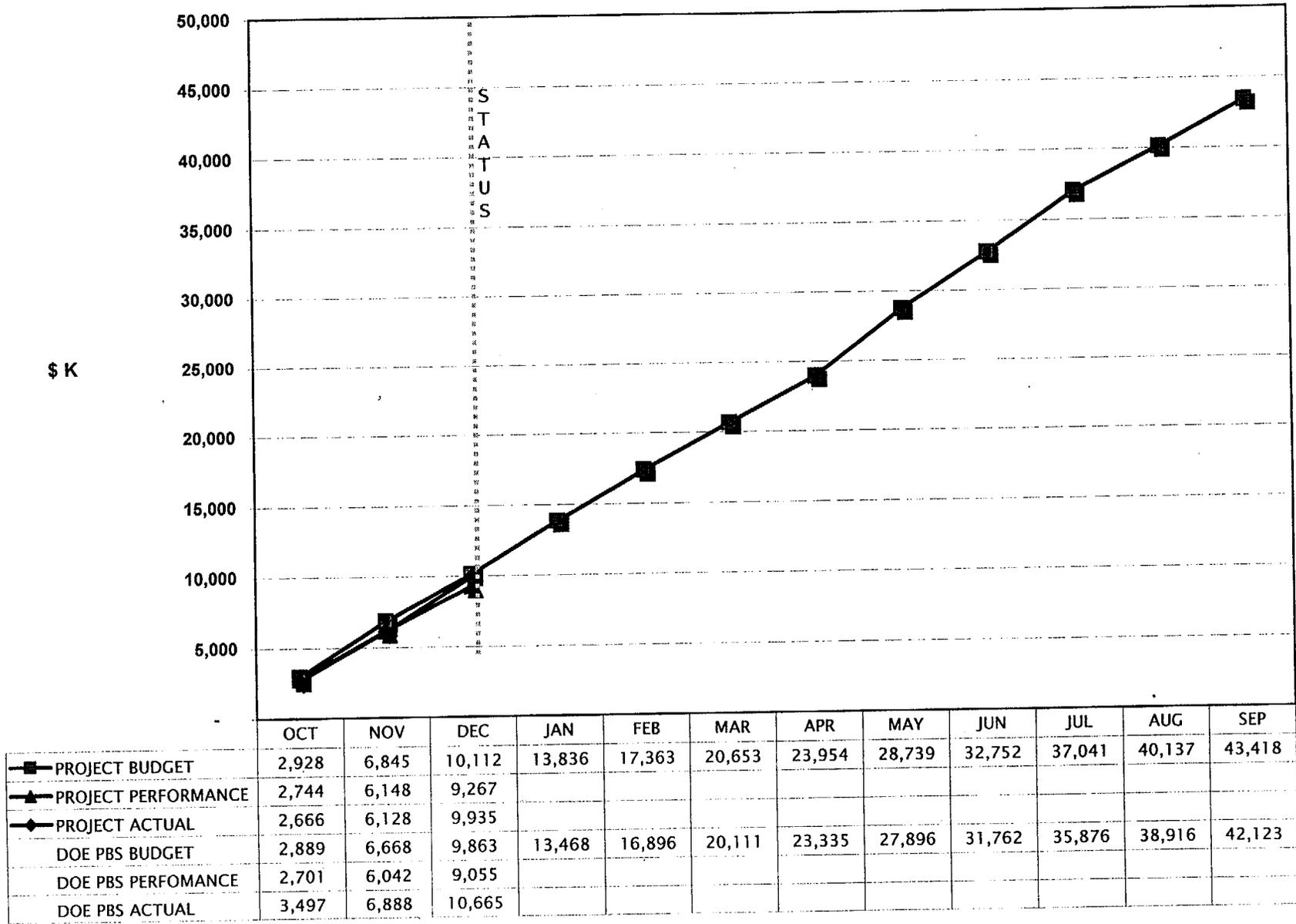
The first High Level Waste (HLW) transfer from tank 8D-2 to Concentrator Feed Makeup Tank (CFMT) was completed for Batch 71. Mid-batch calculations indicate an estimated 298,000 Curies of Cesium and Strontium transferred and 1230 curies of alpha transuranics, Plutonium-241 and Technetium-99 transferred. Final and more accurate estimates will be available after all batch transfers are complete. The contract commitment for FY2000 is to transfer a minimum of 1610 curies of alpha transuranics, Plutonium-241 and Technetium-99 to the Vitrification Facility for processing.

Assessment/Actions

There was no appreciable cost or schedule variance through December.

Performance to date for FY 2000 is 23% of work planned, 21% of work performed and 23% 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 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. The Remote-Handled Waste Facility Preliminary Safety Analysis Report (RHWF-PSAR) will be issued to the DOE for their review and comments on January 4, 2000, several days ahead of an already aggressive schedule. An overview of the RHWF-PSAR will be provided to DOE reviewers on January 10, 2000. The commitment is to transmit a complete PSAR to DOE-OH/WVDP by January 15, 2000.

In support of Environmental Impact Statement Site Closure Alternative Analysis, Science Applications International Corporation (SAIC) has prepared the erosion model responses to both NRC and NYSDEC comments that have been discussed previously during conference calls with both agencies. DOE and NYSERDA have finalized the transmittal letters and sent them to NRC and NYSDEC on December 29, 1999. SAIC is moving forward with the erosion model analysis discussed with NRC and NYSDEC, and is planning to share results with both agencies after DOE and NYSERDA reviews are completed.

NRC has released their Draft Policy Statement for Decommissioning Criteria for the WVDP. NRC's public release for comment of this draft Policy Statement took place on December 3, 1999. The comment period will be 60 days. NRC is planning a public meeting at the AOC on January 5, 2000, to receive comments on this draft Policy Statement.

Head End Cell characterization and retrieval efforts, to reduce the risk of radiation exposure and contamination by removing Spent Nuclear Fuel (SNF) debris from the former fuel reprocessing cells, continues. Hot Cell Services, Inc. procedure for the removal of the first two pieces of cold side glass from the General Purpose Cell B window was approved. The contract commitment to refurbish PMC B and C windows and GPC B window is January 31, 2000.

To date, 17 intermodals and 12 boxes equaling 8058 ft³ (228m³) of radioactive Low Level Waste (LLW) have been shipped off-site for disposal. The commitment for LLW shipments in FY2000 is 30,000ft³ (850 m³).

The Citizen Task Force (CTF) met on November 30, 1999 to begin discussing their comments on the Nuclear Regulatory Commission's (NRC) draft Policy Statement on Decontamination and Decommissioning Criteria for the WVDP as part of the overall EIS process to determine final disposition status of facilities at the site.

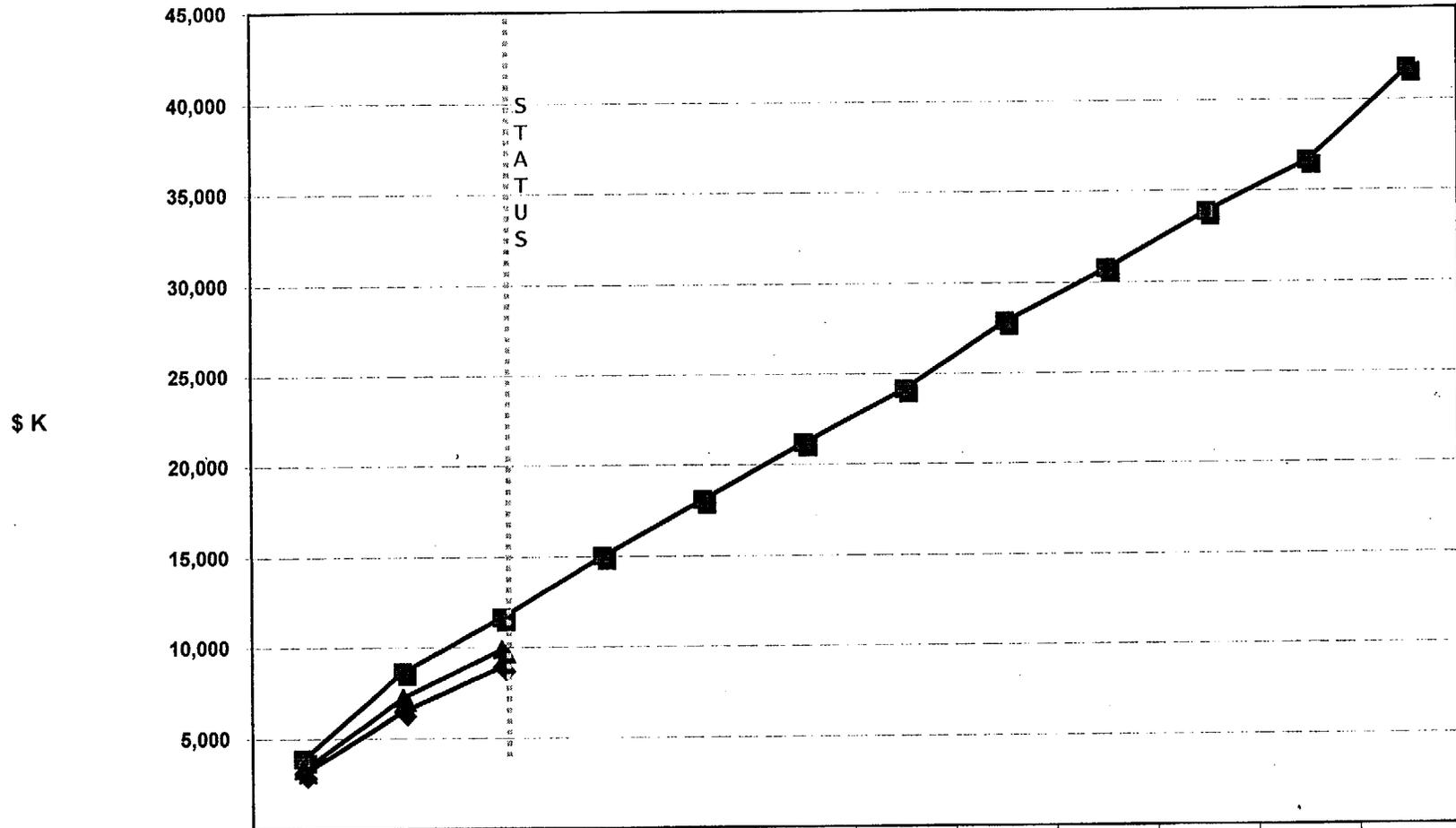
Assessment/Actions

The negative schedule variance increased slightly in December, resulting in a cumulative schedule variance of negative \$1.76 million. This remains due to less than planned progress in Construction of the PMCR Enclosure which is slightly behind the original schedule, however, the overall Head End Cells schedule remains on track, and development of the plan and conceptual design to size reduce / dismantle the Vitrification Facility. None of these are impacting to the Project schedule.

The positive cost variance increased slightly as well in December, resulting in a cumulative cost variance of negative \$0.97 million. This remains due primarily to less labor required than planned to perform Waste Management, Vitrification Expended Materials Processing, Facilities Stabilization and Site Decommissioning activities, as well as less maintenance required for waste storage operations.

Performance to date for FY 2000 is 28% of work planned, 24% of work performed and 21% 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	3,891	8,657	11,641	15,028	18,099	21,193	24,143	27,868	30,760	33,854	36,650	41,681
▲ PROJECT PERFORMANCE	3,324	7,227	9,875									
◆ PROJECT ACTUAL	3,098	6,476	8,901									
DOE PBS BUDGET	3,783	8,353	11,319	14,649	17,694	20,759	23,695	27,329	30,213	33,278	36,075	40,884
DOE PBS PERFORMANCE	3,145	7,017	9,659									
DOE PBS ACTUAL	3,185	6,898	9,559									

NARRATIVE HIGHLIGHTS AND ASSESSMENT

PBS OH-WV-03: Spent Nuclear Fuel

Accomplishments/Status

As part of the preparations for Spent Nuclear Fuel shipments to INEEL the project has performed a series of activities. The Buffalo and Pittsburgh Railroad (B&PRR) has completed replacement of cross ties between Ashford Junction and the WVDP. Approximately 14,000 rail cross ties were replaced. Required track replacement has been completed between Ashford Junction and Machias. Approximately 6,000 linear feet of track were replaced. The track between Ashford Junction and Machias has been raised, surfaced, aligned, leveled, and gauged. Track replacement and track bed work between Ashford Junction and the WVDP spur will resume about March 1. All work required to upgrade the rail line to a Federal Rail Administration Class 2 line is scheduled to be completed by July, 2000.

Transnuclear, Inc. (TN) continues to prepare cask Safety Analysis Report (SAR) revisions for full loads OF snf for submittal to the NRC. Revised SARs for both casks are scheduled to be submitted for DOE/WVNS/Bechtel, Babcock and Wilcox Idaho(BBWI) review by February 1, 2000. SAR submittal to the NRC for review is planned for March, 2000. Additional information was provided to TN regarding rods removed from TN-Big Rock Point (BRP) assemblies for the TN-BRP criticality analysis.

A conference call was held December 22, 1999 among DOE, WVNS, BBWI, and TN to discuss possible sources of borated stainless steel (BSS) material properties information requested by the NRC at the December 16, 1999 meeting on the full load structural analysis. Results of literature searches and discussions with the BSS suppliers and users were discussed. TN's opinion is that there is not sufficient additional information available to preclude additional materials testing. TN will contract with Structural Integrity Associates to develop a licensing position and approach, including, a fracture toughness test program if deemed necessary.

Fabrication of the new TN-Robert E. Ginna (REG) cask transport frame continued at the TN subcontractor. Several additional approval requests were submitted by the vendor and are being reviewed. Final inspection of the welds resulted in the rework of some welds. The fabrication is scheduled to be completed by January 21.

Fabrication of the TN-REG mockup fuel assemblies is nearing completion. The grid bands remain to be attached and final inspection performed. Upon completion, one will be shipped to Idaho National Engineering and Environmental Laboratory (INEEL). The other will be retained at West Metal Works for fit up in the TN-REG cask basket mockup, which West Metal Works is also fabricating. West Metal Works is also fabricating a TN-BRP cask basket mockup. The TN-BRP mockup fuel assemblies are also nearing completion at INEEL.

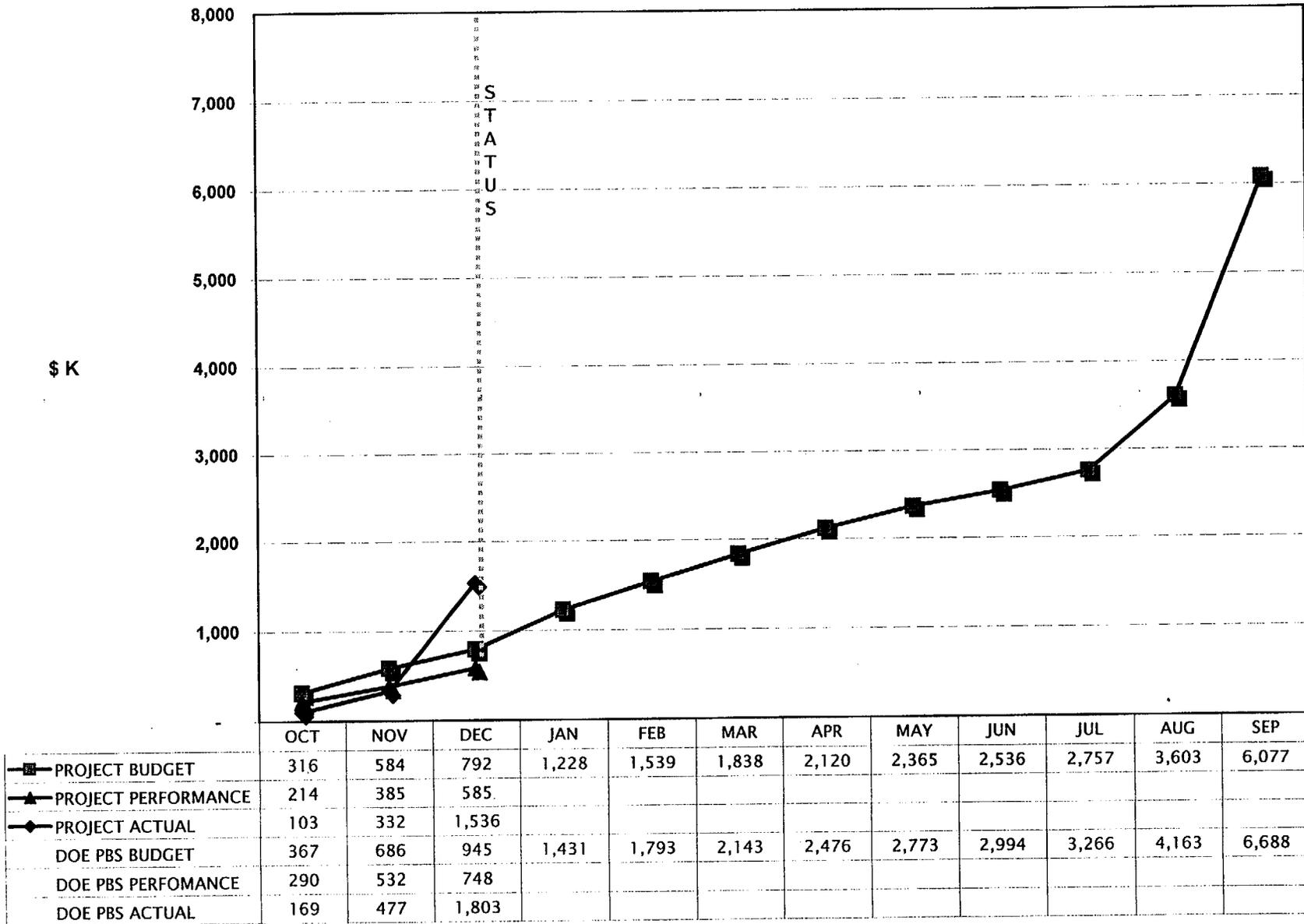
Han-Tek, Inc. personnel completed final modifications required for planned engineered lifts of up to full loads of the shipping casks, including new hook and gear installation. A purchase order supplement for Han-Tek to perform an Occupational Safety and Health Administration-type inspection has been issued and a draft work order to load test the 100-ton crane to 108 tons has been prepared and is being reviewed. The commitment date for completion of 100 ton crane modifications is February 28, 2000.

Assessment/Actions

Spent Nuclear Fuel schedule variance through December results from DOE/NRC work for cask licensing recertification for full load shipments.

A negative cost variance of \$0.95 million was incurred through December. This was due primarily to Bechtel, Babcock & Wilcox Idaho and railroad refurbishment costs needing to be included into the baseline. This program is in the process of being rebaselined to include these scopes and is anticipated to be complete in January, 2000.

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



NARRATIVE HIGHLIGHTS AND ASSESSMENT

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

Accomplishments/Status

The WVNS Zero Day Plan was developed provide protocols to be followed during the millennium rollover weekend to reduce the effects of the millennium rollover on computer and related equipment and to establish an Information Control Center for coordination of all Zero Day activities. The WVNS Zero Day Plan continues to be upgraded to incorporate additional DOE comments and guidelines. On December 9, 1999, a revised U.S. Department of Energy Y2K Business Continuity Plan was received from DOE Headquarters. This guidance was reviewed, and revisions were made to the existing WVNS Zero Day Plan which was transmitted to DOE Ohio West Valley Project Office.

The next CTF meeting is scheduled for February 15, 2000, to discuss cost/benefit analysis and NYSDEC's regulation of future closure of the New York State Licensed Disposal Area (SDA).

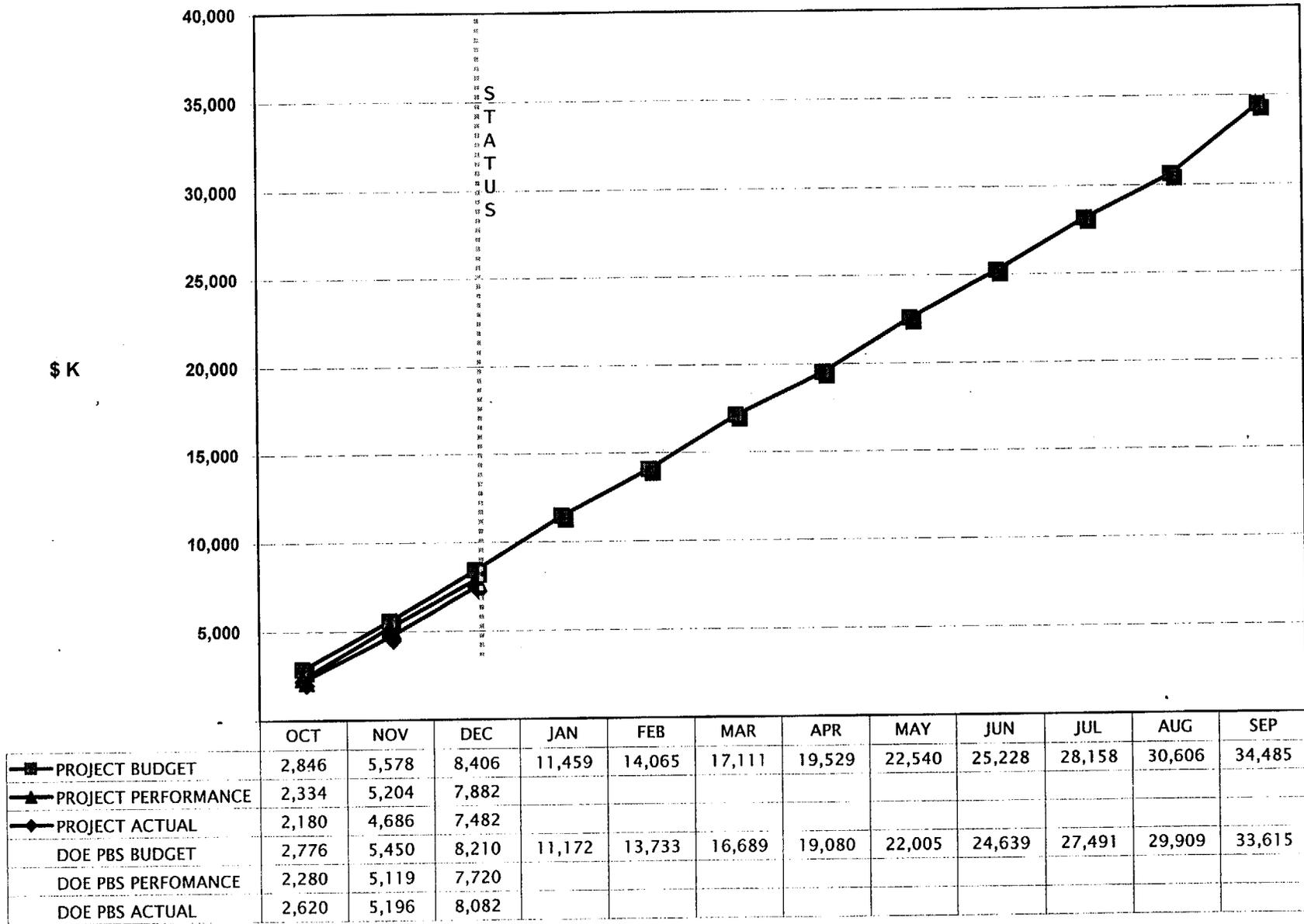
There were no reportable clothing, skin, nasal, or internal contaminations (per DOE Order 232.1) for WVDP radiological workers in December 1999. No OSHA-recordable incidents during December 1999, making the WVDP's calendar year-to-date Total Recordable Case Rate (TRC) 1.91.

Assessment/Actions

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

Performance to date for FY 2000 is 24% of work planned, 23% of work performed and 22% costed. The negative schedule variance was reduced by \$0.14 million in November, resulting in a negligible cumulative schedule variance of negative \$0.37 million.

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



WVNS Monthly Progress Report - December 1999
ADMINISTRATIVE

Project personnel as of December 31, 1999:

	<u>Mgt</u>	<u>Prof</u>	<u>NE</u>	<u>Hourly</u>	<u>Total</u>
WVNS On Board ¹	102	339	193	170	804
Contract Guard	0	0	0	26	26
Dames and Moore ²	8	33	0	0	41
Project Total:	<u>110</u>	<u>372</u>	<u>193</u>	<u>196</u>	<u>871</u>
EEO Statistics:					
	<u>Mgt</u>	<u>Prof</u>	<u>NE</u>	<u>Hourly</u>	<u>Total</u>
Minority (Included in WVNS Total)	10	44	11	13	78
Female (Included in WVNS Total)	15	73	123	22	233

¹ On Board total excludes 17 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 Respondent, the Commissioner of Taxation and Finance of the State of New York, filed its brief with the Appellate Division on December 27, 1999, WVNS has until January 7, 2000 to submit a reply brief. Oral Argument is expected to be scheduled for February 2000.

TOTAL PROJECT EARNED VALUE REPORT

December 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	3,268	3,118	3,807	(150)	(689)	10,112	9,259	9,935	(853)	(676)	43,418
PBS 02 - SITE TRANSITION, DECOMMISSIONING & PROJECT COMPLETION	2,984	2,648	2,425	(336)	223	11,641	9,874	8,901	(1,767)	973	41,681
PBS 03 - SPENT NUCLEAR FUEL	208	200	1,204	(8)	(1,004)	792	585	1,536	(207)	(951)	6,077
PBS 04 - PROJECT MANAGEMENT & SITE SUPPORT	2,828	2,678	2,796	(150)	(118)	8,406	7,882	7,482	(524)	400	34,485
PMB	9,288	8,644	10,232	(644)	(1,588)	30,951	27,600	27,854	(3,351)	(254)	125,661
WVNS MR	-	-	-	-	-	-	-	-	-	-	727
TOTAL WVNS	9,288	8,644	10,232	(644)	(1,588)	30,951	27,600	27,854	(3,351)	(254)	126,388
Deobligations/Expense	157	98	98	(59)	-	472	135	135	(337)	-	1,886
Taxes	-	-	-	-	-	-	-	-	-	-	1,500
Fee/Credit/Other	958	739	739	(219)	-	2,873	2,684	2,684	(189)	-	11,491
DOE MR	-	-	-	-	-	-	-	-	-	-	2,900
Non Project s/t	2	2	2	-	-	6	6	6	-	-	25
	1,117	839	839	(278)	-	3,350	2,825	2,825	(525)	-	17,802
FY 2000 TOTAL WVDP	10,405	9,483	11,071	(922)	(1,588)	34,301	30,425	30,679	(3,876)	(254)	144,190

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

Project Budget	Prior	FY2000	FY 2001-2015	Total
PBS 1 High-Level Waste Processing	-	43,418	81,066	124,484
PBS 2 Transition & Project Completion	-	41,681	1,186,565	1,228,246
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	125,661	2,083,148	3,628,425
WVNS Mgmt. Reserve	-	727	-	727
Contract Budget Base	1,419,616	126,388	2,083,148	3,629,152
Deobs to Other Sites/Expense	66,383	1,886	-	68,269
IWOs to Other Sites	1,763	-	-	1,763
Fee/Credit	150,572	11,491	-	162,063
DOE Mgmt. Reserve	-	2,900	-	2,900
Relocation	1,179	-	-	1,179
Taxes	-	1,500	-	1,500
Non Project	-	25	-	25
TOTAL TPCE (YOE)	1,639,513	144,190	2,083,148	3,866,826
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	1,650	-	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	10,326	207,205	347,183
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	121,007	2,083,148	3,859,743

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

December 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

Reporting Period:
December 1999

Contract Number: DE-AC24-81NE44139

Dollars expressed in thousands.

WBS Description	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
OH-WV-01 HLW Vit & HAW Processing	1,024	40,875	41,899	42,006	10,664	31,235	10,113
OH-WV-02 Site Transition, Decommission & Proj Co	10,688	28,027	38,715	39,775	9,559	29,156	11,641
OH-WV-03 Spent Nuclear Fuel	1,243	4,647	5,890	6,570	1,689	4,201	792
OH-WV-04 Project Management / Site Support	909	28,261	29,170	33,484	8,061	21,109	8,406
Contingencies , Reserves & Taxes	0	5,330	5,330	5,127	0	0	0
SUBTOTAL DOE EX05 CONTRACT	13,864	107,140	121,004	126,962	29,973	85,701	30,952
Other Ohio Office Obligations	267	0	267	267	(49)	315	67
TOTAL OHIO OFFICE	14,131	107,140	121,271	127,229	29,924	86,017	31,019
TOTAL DOE OBLIGATIONS ***	1,449	170	1,619	1,619	184	1,435	362
EX05 PROJECT OBLIGATED FUNDS	15,580	107,310	122,890	128,848	30,109	87,452	31,381
Unobligated Funds:	0	43	43	0	0	0	0
TOTAL EX05 PROJECT FUNDING FY99:	15,580	107,353	122,933	128,848	30,109	87,452	31,381
Non EX-05 Funding	93	1,650	1,743	1,093	2,674	1,027	273
TOTAL DOE	15,673	109,003	124,676	129,941	32,782	88,479	31,654
NYSERDA NE Project (SDA Share)	0	0	0	0	0	0	0
NYSERDA NE Proj. (EIS Share) + Fee	0	412	412	412	258	154	103
NYSERDA NS Project + Fee	353	10,326	10,679	12,571	500	10,179	2,670
NYSERDA Credit	0	1,241	1,241	1,241	310	931	310
NYSERDA NY Non-Project + Fee	0	25	25	25	6	0	6
TOTAL WVDP:	16,026	121,007	137,033	144,190	33,857	99,742	34,743

*** 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:
 December 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	23
DOE Obligation: Ohio (SAIC)	1,229	0	1,229	1,229	70	1,159	307
DOE Obligation: Rocky Flats (SAIC Non-EIS)	11	0	11	11	0	11	3
DOE Obligation: Envirocare	0	170	170	170	0	170	0
DOE Obligation: BBWI	116	0	116	116	114	2	29
TOTAL DOE OBLIGATIONS	1,449	170	1,619	1,619	184	1,435	362

Non EX 05 Funding	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
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	0	70	18
ASTD Projects: VEMP	7	1,000	1,007	1,007	66	941	252
Undistributed Costs	0	0	0	0	2,608	0	0
Non EX05 Funding Total	93	1,000	1,093	1,093	2,674	1,027	273

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:
December 1999

PBS #	Description	Current Period					Total BA	Cumulative to Date				
		BCWS	BCWP	ACWP	Schedule Variance	Cost Variance		BCWS	BCWP	ACWP	Schedule Variance	Cost Variance
OHVV01	HLW Vit & High Activ Proc EX05H5010	3,195	3,013	3,777	(182)	(764)	41,995	9,863	9,055	10,665	(808)	(1,610)
OHVV02	Site Trans, Decm, & Prj Comp EX05H5020	2,961	2,642	2,661	(319)	(19)	40,167	11,319	9,659	9,559	(1,660)	100
OHVV03	Spent Nuclear Fuel EX05H5030	259	216	1,326	(43)	(1,110)	6,007	945	748	1,803	(197)	(1,055)
OHVV04	Project Mgmt/Site Support EX05H5040	2,760	2,601	2,886	(159)	(285)	29,222	8,210	7,720	8,082	(490)	(362)
Total DOE by PBS		5,980	5,459	6,873	(521)	(1,414)	117,390	30,337	27,182	30,109	(3,155)	(2,927)

**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	
#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	
		#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 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 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 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	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	

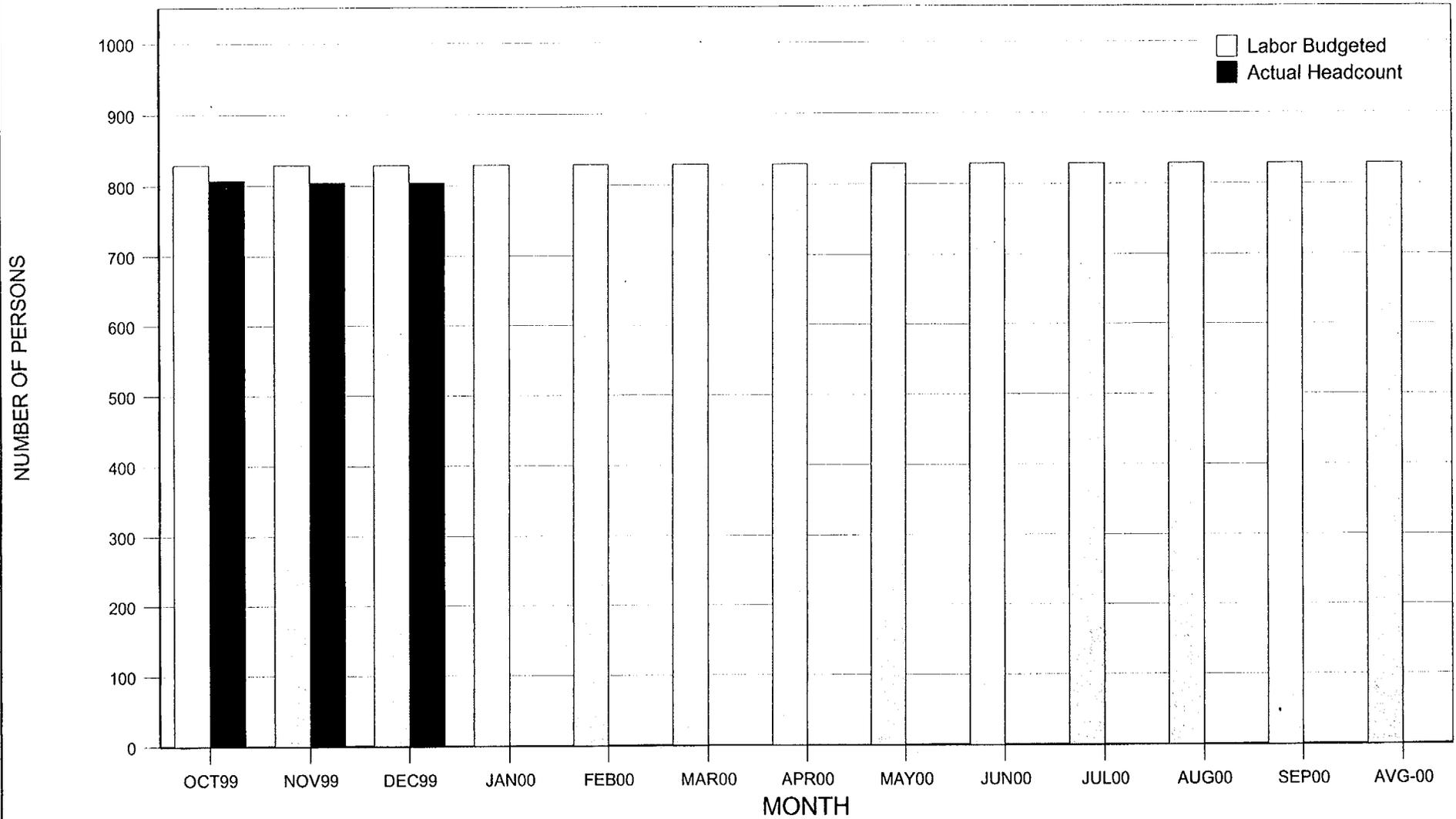
**West Valley Demonstration Project
Accelerated Cleanup Path to Closure Planning Level Data
Milestone Listing**

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	COMPLETE 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 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	

FY 2000 Labor Summary 31-December 99 WVNS Personnel



Labor Budgeted	829	829	829	829	829	829	829	829	829	829	829	829	829
Actual Headcount	807	804	804										

Excludes 17 Casuals