

Memorandum

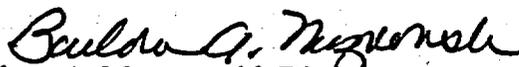
Ohio Field Office
West Valley Demonstration Project

DATE: January 5, 2000

SUBJECT: West Valley Demonstration Project (WVDP) Major System Acquisition (MSA) Fourth Quarter Fiscal Year (FY) 1999 Report

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

Attached is the WVDP MSA Fourth Quarter 1999 Report. Any questions regarding any of the information contained therein can be directed to Lisa Maul at (716) 942-2163.



Barbara A. Mazurowski, Director
West Valley Demonstration Project

Attachment: WVDP MSA Fourth Quarter FY1999 Report

cc: See Page 2

LMM:056 - 69233 - 237.4

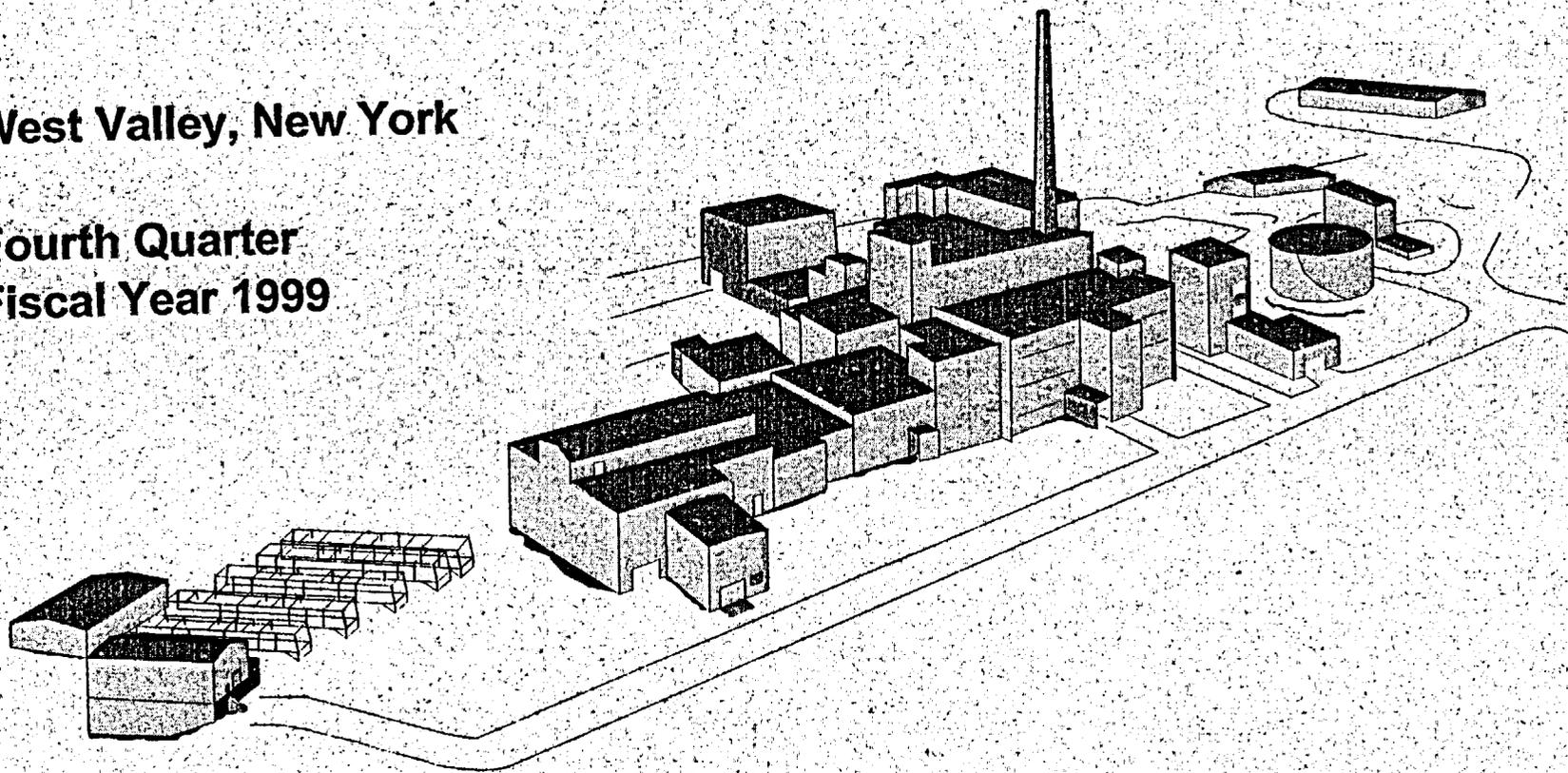
LMM/sdm

cc: J. J. Fiore, DOE-HQ, EM-30, 5B-050/FORS, w/att.
W. E. Murphie, DOE-HQ, EM-31, 2177/CLOV, w/att.
S. R. Brechbill, OH/OOM, OSE, Room 419, w/att.
R. D. Folker, OH/OOM, OSE, Room 410, w/att.
P. W. Greenwalt, OH/CFO, OSE Room 410, w/att.
P. S. Van Loan, OH/CFO, OSE, Room 351, w/att.
L. T. Williams, DOE-CH/IG, Bldg. D-33, w/att.
L. Zull, DNFSB, 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.
J. L. Crandell, w/att.
H. Fauske, Fauske & Associates, Inc., w/att.
N. Gerstein, w/att.
J. Minor, w/att.
G. Oertell, Aura, Inc., w/att.
F. Parker, Vanderbilt University, w/att.
A. Schneider, w/att.
C. Sombret, w/att.
R. D. Walton, Jr., Argonne National Laboratory, w/att.

West Valley Demonstration Project Project Director's Progress Report

West Valley, New York

Fourth Quarter
Fiscal Year 1999



United States
Department of Energy



**Project Director's Progress Report
West Valley Demonstration Project**

Table of Contents

	<u>Page</u>
Project Director's Assessment	1
Summary Funding/Cost Status	4
Significant Problems/Variance Analysis	5
DOE Project Master Schedule	6
Project Activity Sheet	7
Cost Status	8
Quarterly Financial Report	9
Technical Performance Parameters	11
Project Photographs	
Energy Secretary Richardson's Visit	12
School Day	13
Cost Performance Report (WBS) - MSA	14
Budget Plan (TPCE) - MSA	15
WVDP TPCE Reserves Status Summary and Logs	17
WVDP Milestone Listing	18
FY1999 Labor Summary	23



1. Project Director's Assessment

1. Identifiers	
1a. Project Title / Number: West Valley Demonstration Project, West Valley, New York Budget and Reporting No. EX05	1b. Reporting Period: 4th Quarter FY 1999
1c. Managing DOE Field Location: Ohio Field Office	1f. Performing Organizations: <u>West Valley Nuclear Services Company</u> Overall responsibility for design, construction, testing and operation. Major WVNS Subcontractors: Dames and Moore - Environmental Support Pacific Northwest National Laboratories - Technology Support Burns - Security
1d. Project Sponsor / Program Office Contact: Office of Site Closure M.E.Rawlings (301)903-7452	
1e. Project Director: B. A. Mazurowski WV-37 West Valley, New York 14171 (716) 942-4068	

2. Project Director's Personal Assessment:

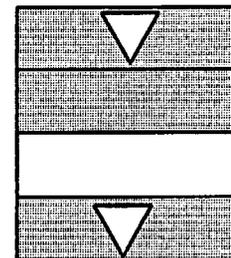
2a. Summary Status

LEGEND

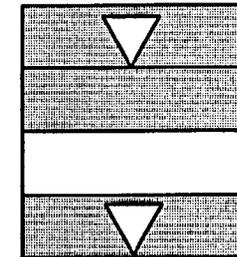
Satisfactory	
Minor Concern	
Major Concern	

Cost
Schedule
Technical
Overall Project

LAST PERIOD



THIS PERIOD



Better Worse

NOTE: The Project Director's assessment of key item concerns are contained on page 5.

The Ohio Strategic Plan Management Commitment Milestone #23 to ship off-site 15,000 cubic feet (425 cubic meters) of Class A Low Level Waste for disposal by Sept 30, 1999 was completed on May 6, 1999. Thirty-seven waste shipments for a cumulative total of 35,630 cubic feet (1010 cubic meters) of LLW has been shipped during FY1999 with a total of 14,828 cubic feet of LLW shipped during the Fourth Quarter.

An off-normal event occurred during Vitrification Operations on August 10, 1999, when radioactive liquid backed up into the steam lines in the operating aisles. There was no spill of radioactive liquid, and no exposure limits were exceeded.

2. Project Director's Narrative Highlights (continued)

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

Following recovery efforts, progress began again in September toward HLW tank heel removal. Zeolite transfers from HLW tank 8D-1 to tank 8D-2 resulted in a FY 1999 total of approximately 508,054 curies transferred. The Ohio Strategic Plan Management Commitment Milestone #21 to transfer 400,000 curies of Cs-137 by Sept. 30, 1999 was completed on July 23, 1999. Ohio Strategic Plan Management Commitment Milestone #22e to transfer 500,000 curies from HLW Tank 8D-2 to the Vit Facility by Sept. 30, 1999 was missed due to the off-normal event in August, however, 367,000 curies of HLW were vitrified prior to the off-normal event.

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

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

SAIC, WVNS, DOE and NYSERDA are reviewing comments received from NYSDEC and preliminary comments received from the U.S. Army Corps of Engineers regarding the inputs and approach presented by SAIC for the Evolution Landscape Model. Comments from the NRC were discussed with NRC and their contractors on August 17, 1999. In general NRC believes the Siberia model and analysis prepared by SAIC is suitable for the WVDP site if enhancements can be made to the model to simulate discrete hypothetical storm events. SAIC is evaluating the effort to make such changes. NRC is expected to provide their written comments soon.

U.S. Department of Energy West Valley Demonstration Project (OHVWDP) and the DOE Ohio Field Office have completed their review of the WVNS Voluntary Protection Plan (VPP) application. Comments were submitted to the contractor on August 26, 1999. The final application was transmitted to the Ohio Field Office for forwarding to DOE Headquarters. A DOE VPP team on-site review is expected in November, 1999.

The tank located in the Scrap Removal Room has been emptied, rinsed, sprayed with a fixative, cut up, and boxed. The radioactive waste removed from the tank filled 24 drums (containing approximately 40 gallons each) of which six were filled with decanted water. The drums of decanted water will be transferred to the interceptors upon review of the nitrite analysis and the remaining drums of radioactive waste will be stored on-site by Waste Management.

On July 14, 1999, the Citizen Task Force (CTF) met at the Ashford Office Complex to discuss the U.S. Nuclear Regulatory Commission Staff Requirements Memorandum. They met with the mediator who has been hired to assist the U.S. Department of Energy (DOE) / New York State Energy and Research and Development Authority (NYSERDA) discussions regarding obligations for future cleanup work at the West Valley Demonstration Project, and received a presentation about DOE's vision of a possible closure option. These topics generated good discussions and interest for planning additional meetings to further discuss institutional controls and reengineered closure designs.



U.S. Department of Energy
Ohio Field Office
Project Director's Assessment
Report Period: 4th Quarter FY 1999

Project: West Valley Demonstration Project

Budget & Reporting No. EX05

Item	First Quarter - FY1999	Second Quarter - FY 1999	Third Quarter - FY 1999	FourthQuarter - FY 1999
Resources/Funding	▽	▽	▽	▽
Contractor Performance				
Key S/C Performance				
Technical				
Schedule				
Cost				
Public Acceptance				
Institutional Issues				
Safety & Environmental				
Overall	▽	▽	▽	▽

Satisfactory 

 Minor Concern 

 Major Concern 

Better 

 Worse 

NOTE: The Project Director's assessment of key item concerns are contained on page 5.

Project Director's Progress Report - Part 1

Project Title: West Valley Demonstration Project

3. Summary Funding/Cost Status (\$ in K)

3a. Total Project			3b. Cumulative to Date	
ITEM	BASELINE THROUGH FY 1999	APPROPRIATIONS THROUGH FY 1999	ITEM	AMOUNT
Total TPCE (YOE)	1,653,830	1,653,830	DOE Funds Appropriated Prior Years	1,378,951
DOE	1,486,175	1,486,175	DOE Funds Appropriated Current Year	107,224
NYSERDA Direct Contribution	134,308	134,308	DOE Funds Authorized to Contractor-Current Year	96,898
NYSERDA Credits and Service	33,347	33,347	Cumulative DOE Costs Accrued to Date	1,389,773
Total Estimated Construction Cost (TEC)	206,000	211,112	Available Project Reserves*	3,935

3c. Baseline Documentation

Document Title: MSA Project Plan

Approving Official: DOE Undersecretary

Date: 11/92

Phase	Start Date		Completion Date		Percent Complete (Preliminary Algorithm)	
	Baseline	Forecast/Actual	Baseline	Forecast/Actual	% Scheduled	% Complete
Waste Solidification	2QFY96	3QFY96	3QFY98	3QFY98	100	100
Vitrification Facility Design and Construction	4QFY84	2QFY84	3QFY95	3QFY95	100	100
Waste Solidification Pretreatment (STS)	2QFY88	3QFY88	2QFY91	2QFY91	100	100
Post Solidification D/D	4QFY98	3QFY98	TBD	TBD	0	0

*Total YOE reserve split: DOE = -\$5,857; WVNS = \$9,792; Contingency = \$0.



ID F6400.A12 (Rev. 05-83)
Ref ID 6400.A2

5. Significant Problems/Variance Analysis

Project Title: West Valley Demonstration Project

Reporting Period: 4th Quarter FY1999

5a. Problems, Impact on Project, Corrective Actions

A growing concern exists in the area of resources/funding. Current scenarios that fund the WVDP below requested planning levels in future years could delay the transition to Project Completion by DOE. As aging high-level waste tanks and main plant facilities approach the end of their design life, the best interests of the public and other stakeholders can be served by continuing on the current schedule with requested funding for the high-level wastes processing, deactivation, and waste management activities.

Resolution of Draft Environmental Impact Statement (DEIS) comments and revisions to DEIS technical support documents continue. Preferred Alternative discussions between DOE and NYS also continue. Once a PA is announced, efforts to baseline the final phase of the Project will commence. Until such time, a definitive life-cycle schedule and cost estimate cannot be determined, therefore an estimate is being utilized.

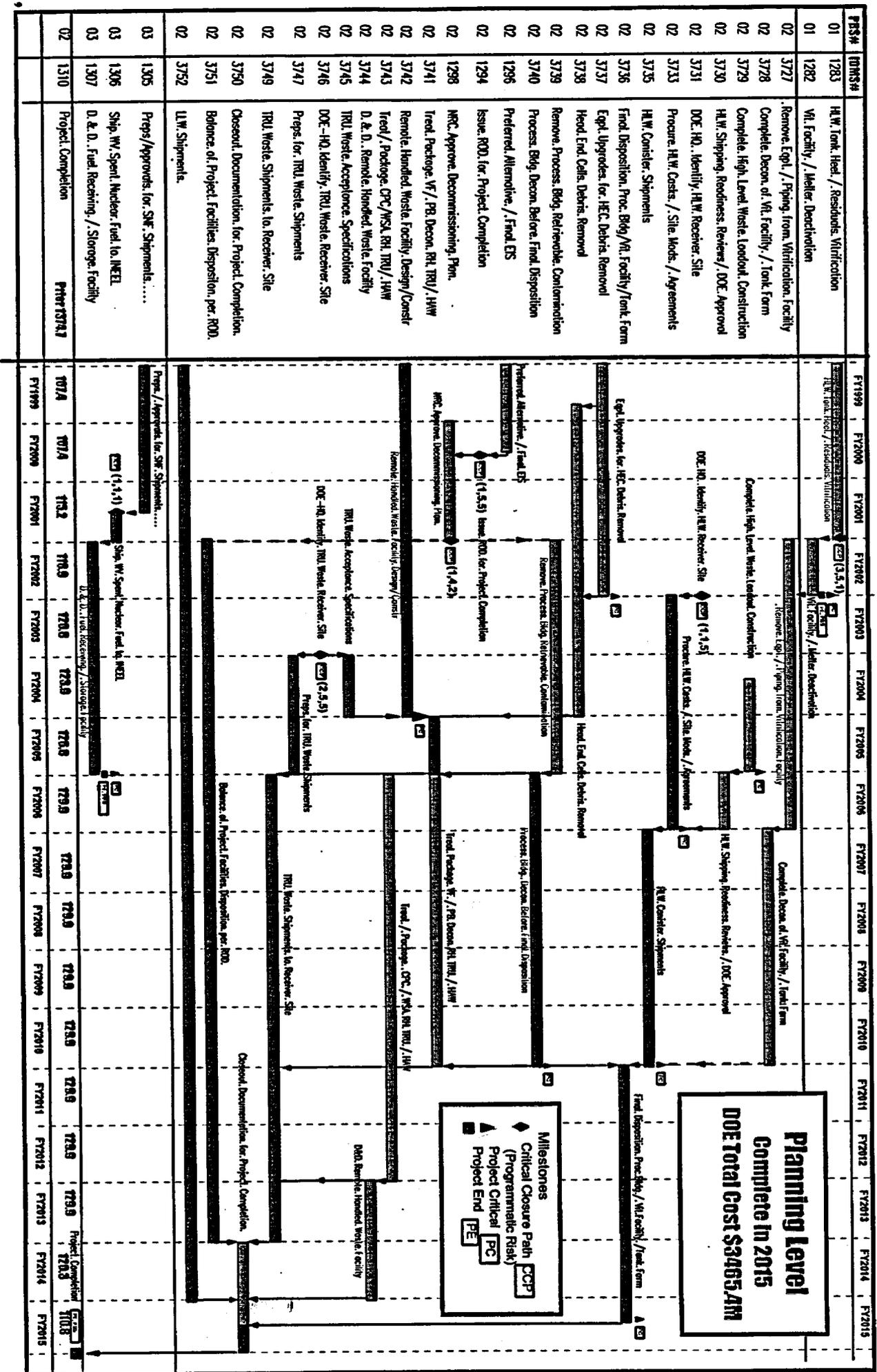
Based upon the uncertainties and sensitivities associated with critical HQ decisions required by the Project as documented in the 1999 update for Accelerated Clean-up: Paths to Closure including identification of a TRU waste receiver site, there is a possibility of slipping the Project Completion date beyond fiscal year (FY) 2015.

5b. Items Requiring Headquarters' Action

FY1999:

- Resolution of issues regarding the respective responsibilities of DOE and NYS for Project completion, site closure and/or long-term management.

WVDP Path To Completion: OH-WV Project Baseline Summaries (Planning Module)



Project Director's Quarterly Supplement Report Project Activity Sheet



Status of Project Documentation

Project Charter: Approved June 8, 1983

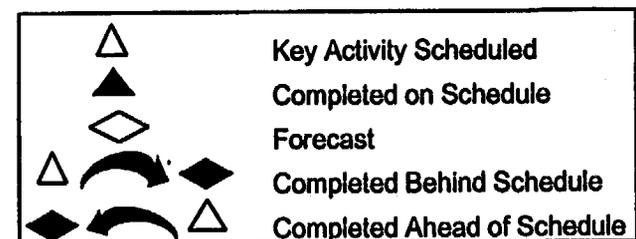
MSA Project Plan: Approved 11/92

Project Management Plan: Approved 7/95

Key Activities	FY 1999				FY 2000				FY 2001			
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Devp Pref Alt for EIS with input from NYS & CTF			△				◊					
DOE-HQ Issues Project Completion Record of Decision							△					
Select TRU Receiver Site							△					
DOE-HQ Pvd TRU Shp Csk, Pmt, Agt & Trm Prg Fnd								△				
Ship offsite up to 25,000 cu. ft. (708 cu. m.) of Class A LLW				▲								
DOE Approval of Supplement Draft EIS					△							
DOE-HQ Approval of Final EIS							△					
Trm 400k curies Cesium from Tank 8D-1 to Tank 8D-2				▲								
Trm 500k curies Cesium & Strontium from Tank 8D-2 to Vit Fac				△*								
NRC Approval of D&D Criteria/Decommissioning Plan												△
Complete HLW Tank Residuals Campaign												△

Timenow

* Milestone missed due to August off-normal event in Vitrification Facility. A new measure has been established for FY2000.



Cost Status

PROJECT: West Valley Demonstration Project

(Dollars in Thousands)

Reporting Period: 4th Quarter FY 1999

Data Element	Prior FY (FY 1982 thru 1998)		To End of Current FY 1999**	Actuals at Quarter End	Commit- ments at Qtr End	Next FY (FY 2000)	
	BA	Cost	Planned Budget			BA	Forecast
1.1 High Level Waste	54,759	48,697	44,192	41,655	11,458	37,995	37,995
1.2 Waste Disposition	15,367	12,653	14,256	14,353	7,487	16,152	16,152
1.3 Site Disposition/Footpring Reduction	12,869	11,506	10,540	6,098	6,519	10,796	10,796
1.4 Site Support/Administration	34,282	33,904	37,033	38,030	6,956	24,856	24,856
Deobs/Fee/Expense/Reserves/Misc	178,084	172,405	20,963	12,656	2,423	16,172	16,172
Prior Years (WBS)	1,083,590	1,081,330	0	0	0	0	0
DOE PROJECT FUNDING (A)	1,378,951	1,360,495	126,984	112,792	34,843	105,971	105,971
NON-DOE COST: NYSERDA							
1.1 High Level Waste	6,281	6,489	5,127	5,337	2,021	4,817	4,817
1.2 Waste Disposition	1,813	1,938	1,654	800	652	2,048	2,048
1.3 Site Disposition/Footpring Reduction	1,473	1,613	1,871	3,680	848	1,369	1,369
1.4 Site Support/Administration	3,938	4,073	4,296	1,994	1,694	3,151	3,151
Deobs/Fee/Expense/Reserves/Misc	0	0	0	0	0	0	0
Prior Years (WBS)	109,779	107,248	0	0	0	0	0
NON-DOE FUNDING (B)*	123,284	121,361	12,948	11,811	5,215	11,385	11,385
PROJECT FUNDING (A+B)	1,502,235	1,481,856	139,932	124,603	40,058	117,356	117,356
NYS Service/Credit/G&A	32,106	32,106	1,241	912	329	1,381	1,381
NON-DOE CREDIT (C)	32,106	32,106	1,241	912	329	1,381	1,381
TPCE (A+B+C)	1,534,341	1,513,962	141,173	125,515	40,387	118,737	118,737

NOTE: All dollars are YOE rounded to thousands.

*NYS Funding is approximately 10% of Project

** Includes Uncosted Carryover

DATA REFLECTS ESTIMATED COSTS.

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

Reporting Period:
4th Quarter FY99

Contract Number: DE-AC24-81NE44139

Dollars expressed in thousands.

WBS Description	Prior Years Uncosted (C/O)	FY 1999 Funding to Date	Obligations Available to Date	FY 1999 Planned Budget **	FY 1999 Costs to Date	Outstanding Commitments to Date	Budget Planned to Date
101 High Level Waste	4,980	34,577	39,557	44,192	40,121	(564)	44,088
102 Waste Disposition	2,643	11,154	13,797	14,256	13,670	127	14,222
103 Site Disposition/Footprint Reduction	1,115	7,740	8,855	9,892	6,098	2,757	10,173
104 Site Support/Administration	4,173	28,976	33,149	37,033	37,315	(4,166)	36,945
Contingencies and Reserves	1,585	3,508	5,093	4,483	0	0	0
Fee	3,013	9,213	12,226	11,775	9,016	0	9,016
SUBTOTAL DOE FUNDING	17,509	95,167	112,677	121,632	106,220	(1,846)	114,445
Internal Work Orders (IWOs)	0	1,596	2,410	2,410	1,763	647	1,763
Other Ohio Office Obligations	86	859	945	945	945	0	945
TOTAL OHIO OFFICE	17,595	97,622 **	116,032	124,987	108,928	(1,199)	117,153
TOTAL DOE OBLIGATIONS ***	3,775	(658)	3,117	1,703	1,553	1,564	1,553
EX05 PROJECT OBLIGATED FUNDS	21,370	96,964	118,334	126,690	110,481	365	118,706
Unobligated Funds:	0	10,389	10,389	0	0	0	0
TOTAL EX05 PROJECT FUNDING FY99:	21,370	107,353	128,723	126,690	110,481	365	118,706
Non EX-05 Funding	0	1,324	1,324	1,295	1,295	0	1,295
TOTAL DOE	21,370	108,677	130,047	127,985	111,776	365	120,001
NYSERDA NE Project (SDA Share)	0	0	0	0	0	0	0
NYSERDA NE Proj. (EIS Share) + Fee	0	648	648	648	258	390	258
NYSERDA NS Project + Fee	1,923	10,376	12,299	12,299	12,550	(251)	12,299
NYSERDA Credit	0	1,241	1,241	1,241	1,241	0	1,241
NYSERDA NY Non-Project + Fee	0	0	0	0	21	0	21
TOTAL WVDP:	23,293	120,942	144,235	142,173	125,846	504	133,820

** BCWS is planned based upon \$107.3M FY99 DOE funding plus \$18.7M prior years uncosted DOE funds.

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

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

DOE Obligations / IWO / Non EX05 Funding Breakout

Contract Number: DE-AC24-81NE44139

Dollars expressed in thousands.

Reporting Period:
4th Quarter FY99

DOE Obligations	Prior Years Uncosted (C/O)	FY 1999 Funding to Date	Obligations Available to Date	FY 1999 Planned Budget **	FY 1999 Costs to Date	Outstanding Commitments to Date	Budget Planned to Date
DOE Obligation: Battelle PNNL (RL)	553	300	853	760	760	93	760
DOE Obligation: Fluor Daniel Hanford	23	(23)	0	0	0	0	0
DOE Obligation: Idaho (SAIC - EIS)	2	0	2	0	(73)	75	(73)
DOE Obligation: Savannah River	2,198	(2,198)	0	0	0	0	0
DOE Obligation: Ohio (SAIC)	580	1,263	1,843	580	615	1,228	615
DOE Obligation: Idaho	45	0	45	0	4	41	4
DOE Obligation: Rocky Flats (SAIC Non-EIS)	11	0	11	0	0	11	0
DOE Obligation: LIMITCO	363	0	363	363	247	116	247
TOTAL DOE OBLIGATIONS	3,775	(658)	3,117	1,703	1,553	1,564	1,553

IWO Details

IWO - FETC / Redzone (PBS 01)	0	704	704	704	704	0	704
IWO - SR Mob Pump Tests (PBS 01)	44	0	44	44	0	44	44
IWO - PL (PBS 01)	1	767	768	768	379	389	768
IWO - ID/LMITCO SNF Program(PBS 03)	706	125	831	831	683	148	831
IWO - OR Emergency Planning (PBS04)	63	0	63	63	(3)	66	(3)
TOTAL IWO OBLIGATIONS	814	1596	2410	2410	1763	647	2344

Non EX 05 Funding

SR work Authorization	0	19	19	19	0	19	19
Pollution Prevention	4	3	7	7	0	7	7
Y2K Compliance	0	802	802	802	802	0	802
ASTD Projects: VEMP	0	500	500	500	493	7	500
Non EX05 Funding Total	4	1,324	1,328	1,328	1,295	33	1,328

** BCWS is planned based upon \$107.3M FY99 DOE funding plus \$18.7M prior years uncosted DOE funds.

Project Director's Progress Report

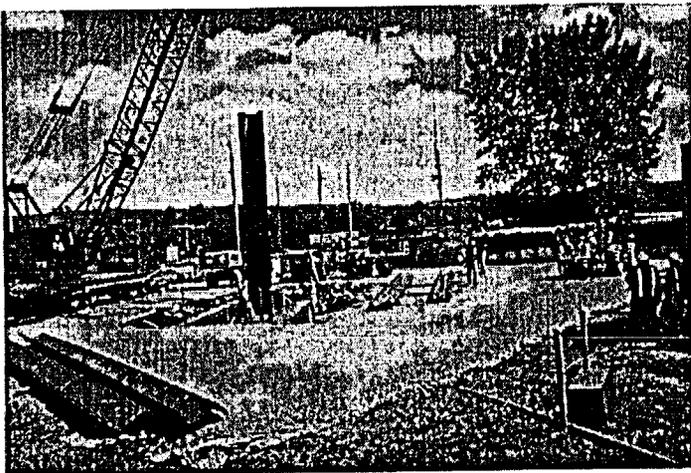
Project Title: West Valley Demonstration Project



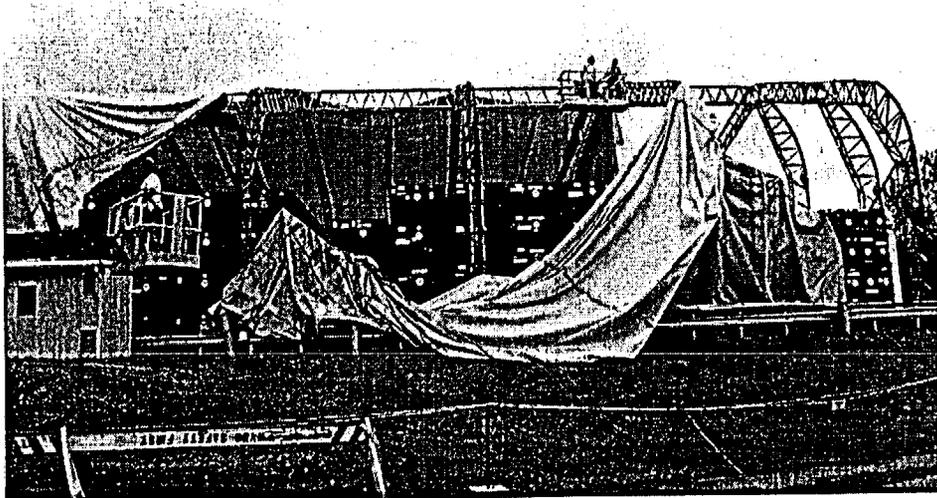
Technical Performance Parameters		
ITEM	TECHNICAL BASELINE	PERFORMANCE
Safety and Environmental Quality of Engineered Systems	Maintain excellent safety performance.	Eight OSHA recordable incidents occurred at the WVDP during the quarter. Total Recordable Case Rate (TRC) is 2.07. There were zero reportable internal, skin, clothing, and nasal contamination events during the quarter.
Maintain and Control Radiological Conditions	Maintain effective and efficient operation consistent with ALARA safety, environmental concerns.	Cumulative ALARA performance through June brings the 1999 fiscal year-to-date total to 14.279 person-rem. This performance was below budget through the fourth quarter.
Safety and Environmental Quality of Inherited Systems and Facilities	Ensure acceptable operation and upgrading of the established Safety and Environmental Systems	The WVDP is pursuing the DOE Voluntary Protection Program (VPP) Star Award. The final application was submitted and a DOE VPP team on-site review is expected in November.
Low-Level Waste Form	Volume Reduction of Low-Level Waste.	A total of 35,630 cubic feet (1010 cubic meters) LLW has been shipped for disposal during FY 1999 exceeding the Ohio Strategic Plan Management Commitment Milestone #23 to ship 15,000 Cubic feet (425 cubic meters) of class A LLW for disposal. Fourth quarter Class A LLW total shipped is 14,828 Cu ft.
Post Solidification D&D	Issue a Record of Decision (ROD).	NRC has provided comments on the SAIC Erosion Modeling in support of the EIS effort. The comments indicated the need to address the issue of specific extreme storm events. A response is being prepared by DOE, SAIC, NYSERDA and WVNS and should be transmitted to NRC in mid-October.



Site visits were made by DOE Ohio Field Office Manager Susan Brechbill, Congressman Jack Quinn, New York State Senator Patricia McGee, Assemblywoman Cathy Young, and Assemblyman Dan Burling.



30-foot long sections of sheet pile are installed on the the North Plateau near the leading edge on the second lobe of the groundwater plume.



Workers dismantle the worn canvas which had covered Lag Storage Area 4.

COST PERFORMANCE REPORT - WORK BREAKDOWN STRUCTURE

SEPTEMBER FY1999

WBS ITEM	QUARTERLY DATA					PROJECT CUM-TO-DATE					PROJECT BAC
	BCWS Sched	BCWP Complete	ACWP Spent	SV Sched	CV Cost	BCWS Sched	BCWP Complete	ACWP Spent	SV Sched	CV Cost	
101 High-Level Waste	49,319	48,454	45,907	(865)	2,547	49,319	48,454	45,907	(865)	2,547	
102 Waste Disposition	15,910	15,449	14,471	(461)	978	15,910	15,449	14,471	(461)	978	
103 Site Disposition & Footprint Reduction	11,763	10,825	9,778	(938)	1,047	11,763	10,825	9,778	(938)	1,047	1,967,875
104 Site Support & Administration	41,329	40,496	40,009	(833)	487	41,329	40,496	40,009	(833)	487	
PRIOR ESCALATION	-	-	-	-	-	1,309,451	1,309,451	1,309,451	-	-	1,309,451 352,331
PMB	118,321	115,224	110,165	(3,097)	5,059	1,427,772	1,424,675	1,419,616	(3,097)	5,059	3,629,657
WVNS MR	-	-	-	-	-	9,792	-	-	-	-	9,792
TOTAL	118,321	115,224	110,165	(3,097)	5,059	1,437,564	1,424,675	1,419,616	(3,097)	5,059	3,639,449
Deobligations	4,567	4,567	2,497	-	-	68,453	66,383	66,383	-	-	68,453
IWOs	2,400	1,763	1,763	-	-	2,400	1,763	1,763	-	-	2,400
Fee/Expense/Credit	11,918	11,126	11,126	-	-	151,364	150,572	150,572	-	-	151,364
DOE MR	-	-	-	-	-	(5,857)	-	-	-	-	(5,857)
RELOCATION	-	-	-	-	-	1,179	1,179	1,179	-	-	1,179
TOTAL	137,206	132,680	125,551	(3,097)	5,059	1,655,103	1,644,572	1,639,513	(3,097)	5,059	3,856,988

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)

September FY1999

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

Assumptions:

Project Budget/Funding is comprised of DOE and NY components

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

¹ Includes 17.7M Fuel

² Includes 1.2M Fuel

Notes:

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

TOTAL OUTYEAR BUDGET AND FUNDING

September FY1999

Project Budget	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
PBS 1 High-Level Waste Processing	47,889	51,889	33,302	-	-	-	-	-
PBS 2 Transition & Project Completion	32,836	35,994	62,700	98,110	101,371	103,888	107,200	106,422
PBS 3 Spent Nuclear Fuel	4,900	6,400	2,400	1,100	600	600	-	-
PBS 4 Project Management & Support	33,111	33,000	33,433	34,888	35,633	36,340	37,140	37,918
TOTAL BUDGET (YOE \$K)	118,737	127,283	131,834	134,098	137,605	140,828	144,340	144,340

Project Funding	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Dept. of Energy YOE (PBS 1-4)	107,353	115,195	118,891	120,799	123,905	126,806	129,906	129,906
N.Y. State Funding	11,384	12,088	12,943	13,300	13,700	14,023	14,434	14,434
TOTAL PROJECT (YOE \$K)	118,737	127,283	131,834	134,099	137,605	140,829	144,340	144,340

Project Budget	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
PBS 1 High-Level Waste Processing	-	-	-	-	-	-	-	-
PBS 2 Transition & Project Completion	105,623	104,811	103,978	103,134	102,266	108,673	101,800	93,823
PBS 3 Spent Nuclear Fuel	-	-	-	-	-	-	-	-
PBS 4 Project Management & Support	38,717	39,528	40,362	41,206	42,074	35,667	31,867	29,289
TOTAL BUDGET (YOE \$K)	144,340	144,340	144,339	144,340	144,340	144,340	133,667	123,112

Project Funding	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Dept. of Energy YOE (PBS 1-4)	129,906	129,906	129,906	129,906	129,906	129,906	120,300	110,800
N.Y. State Funding	14,434	14,434	14,434	14,434	14,434	14,434	13,367	12,311
TOTAL PROJECT (YOE \$K)	144,340	144,340	144,339	144,340	144,340	144,340	133,667	123,112

Assumptions:

Project Budget is comprised of DOE and NY components

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

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

PROJECT RESERVE TRANSACTIONS FY1999

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	TOTAL
107200 - WVNS MR BEGINNING BALANCE													1,500
PMB/CBB													
1999004 - PURCHASE JUMPERS TO MOVE WASTE FROM 7D-2 TO VIT	-75												-75
1999007 - CSPF PROTECTIVE TENT LOCATED IN LSA 4		-50											-50
1999015 - RETURN \$16K DISPOSAL OF FLOURESCENT LIGHT BULB			16										16
1999021 - D&M CONTRACT RECONCILIATION				-3									-3
1999023 - IWO FOR DEVELOPMENT OF REMOTE TOOL DELIVERY SYSTEM BY FETC					900								900
1999023 - IWO FOR DEVELOPMENT OF REMOTE TOOL DELIVERY SYSTEM BY FETC					-900								-900
1999033 - MODIFICATIONS TO CSPF VENTILATION SYSTEM					-30								-30
1999026 - ENVIRONMENTAL AFFAIRS UPGRADE OF LIMS COMPUTER SYS, Y2K						-232							-232
1999030 - IWO WITH INEEL TO PERFORM NFS FUEL SHIPPING SCOPES						114							114
1999030 - IWO WITH INEEL TO PERFORM NFS FUEL SHIPPING SCOPES						-114							-114
1999032 - DECONSTRUCTION AND CONSTRUCTION OF LSA-4						-933							-933
1999040 - ADDITIONAL FUNDING Y2K PROJECTS						690							690
1999040 - ALLOCATE BUDGET Y2K PROJECTS						-690							-690
1999041 - OFF-SITE LAB ANALYSIS NOT REQD, EXISTING RAD DATA TO QUALIFY DEBRIS						292							292
1999042 - CONSTRUCTION OF NEW SHIPPING DEPOT CONNECTED TO LSA-4						-589							-589
1999044 - YUCCA MTN WASTE ACCEPTANCE CRITERIA NO LONGER NECESSARY						62							62
1999044 - EVALUATING CONTAMINATED VIT CELL EXPENDED EQUIPMENT						-60							-60
1999047 - COST DIFFERENTIAL - NEW OHIO CONSOLIDATED CONTRACT WENVIROCARE						2,118							2,118
1999048 - COST EFFICIENCIES ATTRIBUTABLE TO PACE INITIATIVES						1,800							1,800
1999049 - REDEPLOYMENT OF COST SAVINGS TO PROJECT						-3,052							-3,052
1999053 - DESIGN & PERFORM REPAIRS TO THE BUTTERMILK CREEK CULVERT PIPE							-300						-300
1999008 - REPLACEMENT OF ADDITIONAL 8500 SQ. FT. OF MAIN PLANT ROOF								-600					-600
1999036 - IWO TO PNNL FOR QA ASSISTANCE, OPS SUPPORT, RAD PROBE								-258					-258
1999059 - REPLACEMENT OF MAIN WAREHOUSE CEILING INSULATION								-75					-75
1999060 - CONDENSATE TANK REPLACEMENT								-125					-125
1999061 - VEMP ELIMINATING ELEC MODS AND NO FURTHER EFFORT ON DISSOLVER								880					880
1999076 - PACE SAVINGS FOR BEARING SPRAY SYSTEMS ON MOBILIZATION PUMPS									1086				1,086
1999078 - IWO TO PNNL FOR VIT AND SITE STABILIZATION SUPPORT									509				509
1999078 - IWO TO PNNL FOR VIT AND SITE STABILIZATION SUPPORT									-509				-509
1999077 - MODIFY LSA-1 TO PREVENT FURTHER INFILTRATION OF WATER INTO FACILITY										-81			-81
1999067 - PNNL NOT PURSUING THE TESTING OF OTHER ELUTION CHEMICALS										54			54
1999002 - ELECTRICAL SUBSTATION AND CONSTRUCTION OF RAD COUNTING ROOM COMPLETE											240		240
1999099 - ADDITION OF BUDGET TO ALLOW EARLY PROCUREMENT OF EQUIPMENT FOR FY2000												-91	-91
1999107 - REMOTE HANDLED WASTE FACILITY DESIGN BASED ON PLACED CONTRACT												(3,000)	-3000
1999109 - RETURN FROM FY1999												11,298	11298
WVNS MR TOTAL	-75	-50	16	-3	-30	-594	-300	-178	1086	-27	240	8,207	9,792

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	TOTAL
107600 - DOE MR BEGINNING BALANCE													3,430
PMB/CBB													
NO OCTOBER CHANGES	0												0
1999002 - DEVELOPMENT OF REMOTE TOOL DELIVERY SYSTEM BY FETC		425											425
1999002 - DEVELOPMENT OF REMOTE TOOL DELIVERY SYSTEM BY FETC		-425											-425
1999009 - TPP TASKS #3,#5 AND #6 TO BE EXECUTED BY PNNL		300											300
1999009 - TPP TASKS #3,#5 AND #6 TO BE EXECUTED BY PNNL		-300											-300
NO DECEMBER CHANGES			0										0
NO JANUARY CHANGES				0									0
NO FEBRUARY CHANGES					0								0
1999046 - LOW LEVEL WASTE DISPOSAL AT ENVIROCARE						479							479
1999046 - LOW LEVEL WASTE DISPOSAL AT ENVIROCARE						-479							-479
1999054 - REFLECT CREATION OF IWO LINE ON FORMAT 1B						-996							-996
NO APRIL CHANGES							0						0
1999070 - PROCESSING OF VEM FROM EM-60								500					500
1999043 - SUPPORT AND PREPARATION OF EIS/ROD PROCESS BY SAIC									652				652
1999043 - SUPPORT AND PREPARATION OF EIS/ROD PROCESS BY SAIC									-652				-652
1999078 - ACCELERATION OF PROCUREMENTS FOR HEC EQUIPMENT UPGRADES										-2105			-2105
1999068 - RECOGNIZE THE RETURN OF \$2.2M FROM SAVANNAH RIVER										2198			2198
1999096 - COMPLY WITH DW: 1999-0603, FY1999 BUDGET RESCISSION											-129		-129
1999103 - SAIC TO PERFORM NEW SCOPES OF WORK IN SUPPORT OF EIS COMPLETION												-612	-612
1999104 - ADDITIONAL FUNDING TO COMPLETE Y2K RELATED SCOPES OF WORK												182	182
1999104 - ADDITIONAL FUNDING TO COMPLETE Y2K RELATED SCOPES OF WORK												-182	-182
1999105 - FT8 PHONE SYSTEM CHARGES AND NRC CASK CERTIFICATION												-143	-143
1999106 - NYS SALES TAX POTENTIAL LIABILITY AND WVDP PENSION FUND												-8000	-8000
DOE MR TOTAL	0	0	0	0	0	-996	0	500	0	-2105	-129	-8755	-5,857

Note: Dollars in thousands
4QMSA99

BALANCES AS OF SEPTEMBER 30, 1999

West Valley Demonstration Project 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 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 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 Milestone Listing

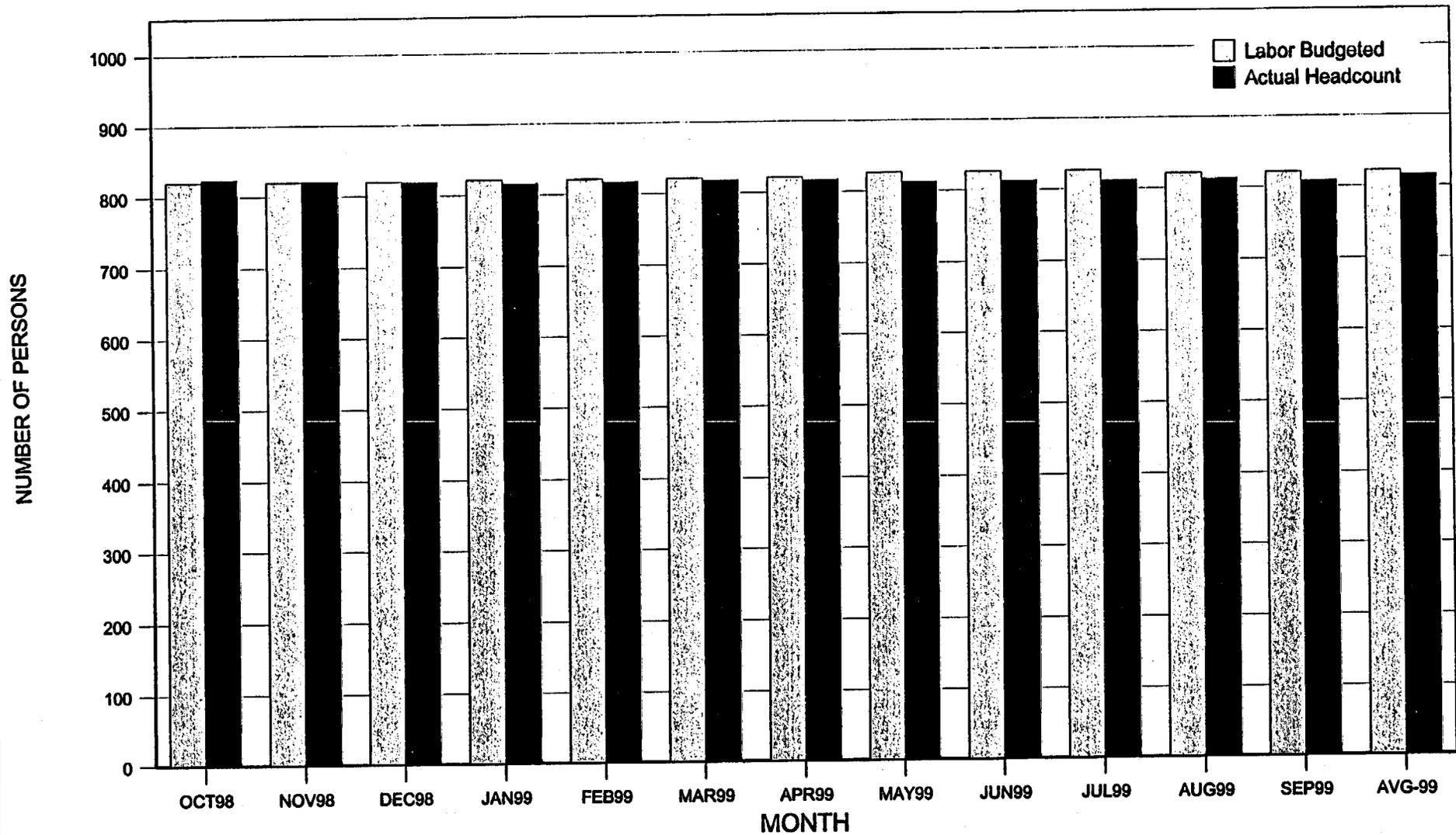
CONTROL LEVEL				MILESTONE DESCRIPTION	DATE	STATUS
Level 0 (AE)	Level 1 (PSO/FMO)	Level 2 (DOE-WV)	Level 3 (WVNS)			
		#11376 PBS02		COMPLETED D&D OF VIT FAC & HLW TANK FARM	SEP-10	
		#11391 PBS02		COMPLETE TREATMENT/PACKAGING OF CPC/WSA RH-TRU/HAW	SEP-12	
		#11399 PBS02		COMPLETE D&D OF BALANCE OF PROJECT 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
			#10517 PBS01	XFER 400K CURIES OF CESIUM & STRONTIUM FROM HLW TNK 8D-1 TO TNK 8D-2	SEP-99	Complete Jul 22, 1999
			#10156 PBS01	XFER 500K CURIES OF CESIUM & STRONTIUM FROM TANK 8D-2 TO VIT FAC	SEP-99	Missed Note 2

Note 2 Missed due to August off-Normal event in Vitrification Facility.

West Valley Demonstration Project Milestone Listing

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

FY 1999 Labor Summary 30-SEP-99 WVNS Personnel



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

Excludes 16 Casuals