



324
0038558

Department of Energy

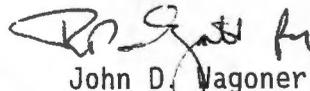
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

SEP 15 1994

Dear Interested Party:

Attached please find a copy of a report entitled "Hanford Site Environmental Management Fiscal Year (FY) 1996 through 2000, Five-Year Plan overview and priorities list," dated April 19, 1994. Please understand that the information is constantly undergoing revision and these figures may not reflect current budgetary realities.

Sincerely,


John D. Wagoner
Manager

BUD:JMP

Attachment



United States Government

Department of Energy

memorandum

Richland Operations Office

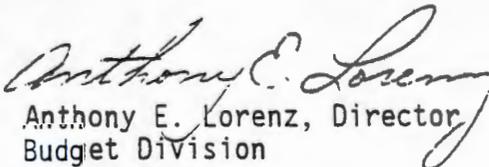
DATE: APR 19 1994
REPLY TO:
ATTN OF: BUD:RRT
SUBJECT: RICHLAND OPERATIONS OFFICE (RL) ACTIVITY DATA SHEET (ADS) SPREADSHEET AND PRIORITY LISTS

TO: Eli B. Bronstein, Director
Office of Financial Management
EM-13, HQ

Enclosed for your use is an update of the material provided to you on April 15, 1994. Changes were made to correct an oversight which previously showed the RL-directed activities being funded by EM-30 and EM-60 in the target case. Those activities are now included in the decrement case and the total for the integrated decrement case equals 85% of the target level. Corresponding changes were also made to the appropriate summary schedules.

In addition, a spreadsheet by program element has been added to Tab II.

If you have any questions, please contact Jim Peterson, Five-Year Plan Manager on (509) 376-6731.


Anthony E. Lorenz, Director
Budget Division

Enclosure

cc w/encl:
J. Boda, EM-322
L. Feldt, EM-64
M. Harmon, EM-442

TABLE OF CONTENTS

- I. ADS by ADS Spreadsheet
- II. Spreadsheet by Program Element and Program Area
- III. Revised Target Summary
- IV. RL Integrated Priority List(s)
 - a. EM Integrated
 - b. By Program Element
- V. EM 30 Priority List
- VI. EM 40 Priority List
- VII. EM 60 Priority List
- VIII. Impacts of EM Target Case
- IX. Productivity Workslope

**THIS PAGE INTENTIONALLY
LEFT BLANK**

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

<u>PROGRAM / WBS</u> <u>ADS # / Title / (Proj #)</u>	<u>FUND</u> <u>TYPE</u>	<u>FY 1995</u> <u>Congress.</u> <u>Request</u>	<u>FY 1995</u> <u>New</u> <u>Target</u>	<u>FY 1996</u> <u>New</u> <u>Target</u>
WASTE TANK SAFETY AND OPS (WBS 1.1.1)				
1100-0 (ALL EM-30) Ops & Maint	OE	142,715	138,172	149,326
	CE	4,055	4,521	4,570
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
		146,770	142,693	153,896
1110-0 Waste Tank Safety	OE	58,685	54,232	53,037
	CE	20,890	20,267	19,460
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
		79,575	74,499	72,497
1120-0 Tank Farms Upgrades	OE	32,800	18,537	15,810
	CE	4,190	5,697	3,290
	LI	0	0	0
	GPP	4,000	2,803	5,483
		-----	-----	-----
		40,990	27,037	24,583
1120-1 Tank Farms Radiological Spt Fac	OE	280	0	0
	CE	0	0	0
	LI	1,585	0	0
	GPP	0	0	0
		-----	-----	-----
		1,865	0	0

FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)

PROGRAM / WBS
ADS # / Title / (Proj #)

	FUND TYPE	FY 1995 Congress. Request	FY 1995 New Target	FY 1996 New Target
1120-2 Tank Farms Ventilation Upgrades (W-30)	OE	930	904	1,371
	CE	0	0	0
	LI	800	0	0
	GPP	0	0	0
			-----	-----
		1,730	904	1,371
1120-4 Cross Site Transfer System ((W-058)	OE	660	723	1,188
	CE	0	0	0
	LI	18,910	18,989	15,536
	GPP	0	0	0
			-----	-----
		19,570	19,712	16,724
1120-5 New DST Tank Farm (FY 95 LI, W-260)	OE	0	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		0	0	0
1120-6 Tank Farms Upgrades Restoration/Safe Ops (W-314)	OE	4,430	14,469	16,084
	CE	0	0	0
	LI	0	0	8,316
	GPP	0	0	0
			-----	-----
		4,430	14,469	24,400

FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)

PROGRAM / WBS
ADS # / Title / (Proj #)

1120-7
 Aging Waste Transfer
 Lines (W-028)

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
OE	675	723	548
CE	0	90	0
LI	3,819	3,436	0
GPP	0	0	0

 4,494 4,249 548

1120-8
 Office Facility -- 200 East
 (L-091)

OE	140	0	0
CE	0	0	0
LI	4,000	0	0
GPP	0	0	0

 4,140 0 0

1130-0
 Waste Characterization

OE	64,925	75,675	84,729
CE	8,315	4,668	5,986
LI	0	0	0
GPP	0	0	0

 73,240 80,343 90,715

WTSO
 (WBS 1.1.1)

OE	306,240	303,435	322,093
CE	37,450	35,243	33,306
LI	29,114	22,425	23,852
GPP	4,000	2,803	5,483

SUBTOTAL

 376,804 363,906 384,734

FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)

PROGRAM / WBS
ADS # / Title / (Proj #)

TANK WASTE DISPOSAL (WBS 1.1.2)

1200-0
 Mgt and Admin

FUND TYPE	FY 1995 Congress. Request	FY 1995 New Target	FY 1996 New Target
OE	47,946	46,070	45,497
CE	0	0	0
LI	0	0	0
GPP	0	0	0

-----		-----	
	47,946	46,070	45,497

1210-0
 Waste Retrieval

OE	12,170	18,355	28,155
CE	0	452	457
LI	0	0	0
GPP	0	0	0

-----		-----	
	12,170	18,807	28,612

1210-1
 Agin Waste Transfer Lines

OE	0	0	0
CE	0	0	0
LI	0	0	0
GPP	0	0	0

-----		-----	
	0	0	0

1210-2
 101-AZ Retrieval System
 (W-151)

OE	1,445	1,447	274
CE	1,000	1,808	0
LI	5,000	4,521	0
GPP	0	0	0

-----		-----	
	7,445	7,776	274

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

	<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
1210-3 Initial Tank Retrieval System (W-211)	OE	4,060	1,940	1,782
	CE	0	0	0
	LI	17,700	6,741	16,033
	GPP	0	0	0
			-----	-----
		21,760	8,681	17,815
1210-4 106-C Sluicing (W-320)	OE	20,235	19,713	10,875
	CE	600	543	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		20,835	20,256	10,875
1140-0 Corrective Activities - Waste Tank Safety Operations	OE	0	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		0	0	0
1220-0 Pretreatment	OE	18,315	30,292	28,543
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		18,315	30,292	28,543

FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)

PROGRAM / WBS
ADS # / Title / (Proj #)

	FUND TYPE	FY 1995 Congress. Request	FY 1995 New Target	FY 1996 New Target
1260-0 Facility Operations	OE	0	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	0	0
1230-0 Low Level Waste Disposal	OE	54,025	47,340	44,963
	CE	935	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	54,960	47,340
1240-0 High Level Waste Disposal	OE	7,966	12,388	17,910
	CE	0	3,165	3,656
	LI	0	0	0
	GPP	0	0	0
		-----	7,966	15,553
1240-1 Vitrification	OE	465	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	465	0

c:\ltsdata\target2.wk3 / mlv
 DISK:check.wk3/ mlv FINAL
 15-Apr-94

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
1260-1 B Plant Canyon Crane	OE	0	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
		0	0	0
1260-2 Safety Class Ventilation	OE	0	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
		0	0	0
1260-3 Waste Remed Fac Improvements	OE	0	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
		0	0	0
1260-4 200 East Office Facilities	OE	0	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
		0	0	0

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS ADS # / Title / (Proj #)	FUND TYPE	FY 1995 Congress. Request	FY 1995 New Target	FY 1996 New Target
1270-0 Multi-Purpose Storage Complex	OE	0	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	0	0
1280-0 Multi-Function Waste Remed Fac	OE	17,710	25,791	16,715
	CE	0	0	0
	LI	95,305	3,326	17,160
	GPP	0	0	0
		-----	113,015	29,117
1280-0 New Tanks (Broken out for Visibility)	OE	0	927	896
	CE	0	0	0
	LI	0	73,222	99,631
	GPP	0	0	0
		-----	0	74,149

c:\itsdata\target2.wk3 / mlv
 DISK:check.wk3 / mlv FINAL
 15-Apr-94

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
TANK WASTE DISPOSAL (WBS 1.1.2)	OE	184,337	204,263	195,610
	CE	2,535	5,968	4,113
	LI	118,005	87,810	132,824
	GPP	0	0	0
		-----	-----	-----
SUBTOTAL		304,877	298,041	332,547
TWRS (WBS 1.1)	OP	490,577	507,698	517,703
	CE	39,985	41,211	37,419
	LI	147,119	110,235	156,676
	GPP	4,000	2,803	5,483
		-----	-----	-----
SUBTOTAL (EM-30)		681,681	661,947	717,281

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

SOLID WASTE (WBS 1.2.1)

2200-0
 Solid Waste Storage and Disposal

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
OE	34,577	28,962	32,613
CE	2,533	2,533	900
LI	0	0	0
GPP	200	200	300
	-----	-----	-----
	37,310	31,695	33,813

2200-1
 Enhanced RMW Storage (W-112)

OE	1,111	990	1,517
CE	0	0	0
LI	30,500	18,426	6,549
GPP	0	0	0
	-----	-----	-----
	31,611	19,416	8,066

2200-2
 CH TRU Retrieval (W-113)

OE	1,389	1,237	2,051
CE	0	0	0
LI	3,200	2,850	12,358
GPP	0	0	0
	-----	-----	-----
	4,589	4,087	14,409

2220-1
 WRAP module 1

OE	4,542	4,932	11,467
CE	0	0	0
LI	3,995	3,563	0
GPP	0	0	0
	-----	-----	-----
	8,537	8,495	11,467

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
2230-1 WRAP module 2A	OE 7,593 CE 0 LI 8,500 GPP 0	911 0 7,569 0	0 0 8,905 0
	----- 16,093	----- 8,480	----- 8,905
2230-2 WRAP Module 2B	OE 0 CE 0 LI 0 GPP 0	0 0 0 0	0 0 0 0
	----- 0	----- 0	----- 0
2240-0 New Facility Planning	OE 0 CE 0 LI 0 GPP 0	0 0 0 0	0 0 0 0
	----- 0	----- 0	----- 0
SOLID WASTE (WBS 1.2.1)	OE 49,212 CE 2,533 LI 46,195 GPP 200	37,032 2,533 32,408 200	47,648 900 27,812 300
	----- 98,140	----- 72,173	----- 76,660
SUBTOTAL (EM-30)			

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
LIQUID EFFLUENTS/HEC (WBS 1.2.2)				
2300-0	OE	27,814	36,989	34,719
Liquid Effluents	CE	207	207	200
	LI	0	0	0
	GPP	0	0	4,000
		-----	-----	-----
		28,021	37,196	38,919
2300-1	OE	1,261	751	755
Effluent Treatment & Disposal-Phase II	CE	0	0	0
(W-252)	LI	7,100	6,600	19,760
	GPP	0	0	0
		-----	-----	-----
		8,361	7,351	20,515
2310-1	OE	1,296	1,296	0
HEC	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
		1,296	1,296	0

c:\tsdata \ target2.wk3 / mlv
 DISK:check.wk3/ mlv FINAL
 15-Apr-94

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
2330-0 Liquid Effluents - New Facility Planning	OE	0	380	476
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
		0	380	476
 LIQUID EFFLUENTS/ HEC (WBS 1.2.2)	OE	30,371	39,416	35,950
	CE	207	207	200
	LI	7,100	6,600	19,760
	GPP	0	0	4,000
		-----	-----	-----
SUBTOTAL (EM-30)		37,678	46,223	59,910

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
WASTE AND DECON SVCS (WBS 1.2.3)				
2320-0 Waste & Decon Svcs	OE	37,898	31,411	31,759
	CE	1,600	590	590
	LI	0	0	0
	GPP	600	1,000	600
		-----	-----	-----
		40,098	33,001	32,949
2320-1 T Plant Vent Upgrade	OE	0	0	240
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
		0	0	240
2320-2 T Plant 2nd Contain	OE	0	270	120
	CE	0	0	0
	LI	0	0	2,200
	GPP	0	0	0
		-----	-----	-----
		0	270	2,320
WASTE AND DECON SVCS (WBS 1.2.3)				
Waste & Decon Svcs	OE	37,898	31,681	32,119
	CE	1,600	590	590
	LI	0	0	2,200
	GPP	600	1,000	600
		-----	-----	-----
SUBTOTAL		40,098	33,271	35,509

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS ADS # / Title / (Proj #)	FUND TYPE	FY 1995 Congress. Request	FY 1995 New Target	FY 1996 New Target
FACILITY OPERATIONS (WBS 1.3.1)				
4110-0	OE	31,008	58,985 *	62,760 **
(K-Basins)	CE	200	500 *	500 **
Program & Environ Mgt	LI	0	0	0
Represents Spent Fuel Project	GPP	0	0	0
		-----	-----	-----
	EM-30	31,208	59,485	63,260
4110-1	OE	105	0	0
K-Basin Operations	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
	EM-30	105	0	0
4180-0	OE	489	0	0
New Facility Planning	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
	EM-30	489	0	0

* \$13,200 is spent fuel for FY 1995, the remaining is K-Basins

**\$23,100 is spent fuel for FY 1996, the remaining is K-Basins

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS ADS # / Title / (Proj #)	FUND TYPE	FY 1995 Congress. Request	FY 1995 New Target	FY 1996 New Target
4190-0 B Plant/WESF	OE	28,083	30,616	30,831
	CE	500	200	200
	LI	0	0	0
	GPP	0	0	0
EM-30		28,583	30,816	31,031
4190-1 B Plant Safety Ventilation Upgrades	OE	284	284	269
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
EM-30		284	284	269
4195-1 Cesium Capsule Recovery	OE	4,484	3,900	4,062
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
EM-30		4,484	3,900	4,062
SUBTOTAL Fac Ops EM-30	OE	64,453	93,785	97,922
	CE	700	700	700
	LI	0	0	0
	GPP	0	0	0
Facility Ops EM-30		65,153	94,485	98,622

FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)

<u>PROGRAM / WBS</u> <u>ADS # / Title / (Proj #)</u>	<u>FUND</u> <u>TYPE</u>	<u>FY 1995</u> <u>Congress.</u> <u>Request</u>	<u>FY 1995</u> <u>New</u> <u>Target</u>	<u>FY 1996</u> <u>New</u> <u>Target</u>
6620-0 Program & Environ Mgt (4100-0)	OE	9,386	4,700	4,890
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
	EM-60	9,386	4,700	4,890
6621-0 DOE Order Compliance (4100-1)	OE	0	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
	EM-60	0	0	0
3600-0 N Reactor (4120-0)	OE	0	ER'S	
	CE	0		
	LI	0		
	GPP	0		
	EM-60	0	0	0
6622-0 Purex-UO3 Operations (4130-0)	OE	47,699	48,001	48,289
	CE	200	200	200
	LI	0	0	0
	GPP	0	0	100
	EM-60	47,899	48,201	48,589

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
6623-0 300 Area Fuel Supply (4150-0)	OE	3,524	3,200	7,450
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
	EM-60	3,524	3,200	7,450
6624-0 PFP (4170-0)	OE	66,325	63,300	48,776
	CE	100	300	1,200
	LI	0	0	0
	GPP	1,200	0	0
	EM-60	67,625	63,600	49,976
6625-0 New Facility Planning (4170-0)	OE	0	1,700	1,000
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
	EM-60	0	1,700	1,000

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
SUBTOTAL Fac Ops EM-60	OE	126,934	120,901	110,405
	CE	300	500	1,400
	LI	0	0	0
	GPP	1,200	0	100
		-----	-----	-----
Facility Ops EM-60		128,434	121,401	111,905
		-----	-----	-----
FACILITY OPS (WBS 1.3.1)	OE	191,387	214,686	208,327
	CE	1,000	1,200	2,100
	LI	0	0	0
	GPP	1,200	0	100
		-----	-----	-----
SUBTOTAL EM-30 and EM-60		193,587	215,886	210,527

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS ADS # / Title / (Proj #)	FUND TYPE	FY 1995 Congress. Request	FY 1995 New Target	FY 1996 New Target
ADVANCED REACTOR (WBS 1.4)				
6640-0	OE	60,353	47,026	49,083
FFTF Plant	CE	350	400	200
Non-Defense	LI	0	0	0
(4200-0)	GPP	0	0	0
		-----	-----	-----
	EM-60	60,703	47,426	49,283
6641-0	OE	4,092	3,300	4,171
Program & Environ Mgt	CE	0	0	0
Non-Defense	LI	0	0	0
(4210-0)	GPP	0	0	0
		-----	-----	-----
		4,092	3,300	4,171
6642-0	OE	0	300	6,000
FFTF Shutdown Projects	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
		0	300	6,000
ADVANCED REACTOR (WBS 1.4)	OE	64,445	50,626	59,254
	CE	350	400	200
	LI	0	0	0
SUBTOTAL	GPP	0	0	0
		-----	-----	-----
NON-DEFENSE	EM-60	64,795	51,026	59,454

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS
ADS # / Title / (Proj #)

ANALYTICALSERVICES (WBS 1.5.1)

7100-0
 Laboratory Ops & Upgrades

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
OE	57,309	49,916	49,930
CE	3,100	3,100	3,800
LI	0	0	0
GPP	1,200	1,200	1,500
	-----	-----	-----
	61,609	54,216	55,230

7100-1
 222-S Lab HVAC/Elect Upgrade

OE	0	0	0
CE	0	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	0	0	0

7100-2
 Radioactive Waste Lines
 (W-087)

OE	198	207	101
CE	0	0	0
LI	3,300	8,900	5,000
GPP	0	0	0
	-----	-----	-----
	3,498	9,107	5,101

7100-3
 219-S Double Contain Upgrade
 (W-178)

OE	121	80	211
CE	0	0	0
LI	2,000	2,000	600
GPP	0	0	0
	-----	-----	-----
	2,121	2,080	811

c:\itsdata\ target2.wk3 / mlv
 DISK:check.wk3/ mlv FINAL
 15-Apr-94

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

<u>PROGRAM / WBS</u> <u>ADS # / Title / (Proj #)</u>	<u>FUND</u> <u>TYPE</u>	<u>FY 1995</u> <u>Congress.</u> <u>Request</u>	<u>FY 1995</u> <u>New</u> <u>Target</u>	<u>FY 1996</u> <u>New</u> <u>Target</u>
7110-0 New Facility Planning	OE	670	794	769
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		670	794	769
ANALYTICAL SVCS (WBS 1.5.1)	OE	58,298	50,997	51,011
	CE	3,100	3,100	3,800
	LI	5,300	10,900	5,600
	GPP	1,200	1,200	1,500
			-----	-----
SUBTOTAL (EM-30)		67,898	66,197	61,911

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

LANDLORD (WBS 1.6) ALL is EM-60

6670-0
 General Administrative Support

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
OE	13,787	0	0
CE	11,500	0	0
LI	0	0	0
GPP	7,200	0	0
	-----	-----	-----
	32,487	0	0
6671-0	OE 31	0	0
200 Area Unsecured Core Area Fab Shop	CE 0	0	0
	LI 4,000	0	0
	GPP 0	0	0
	-----	-----	-----
	4,031	0	0
6673-0	OE 31	0	0
200 Area East Steam System Rehab	CE 0	0	0
	LI 5,600	0	0
	GPP 0	0	0
	-----	-----	-----
	5,631	0	0
6675-0	OE 31	0	0
Landlord Safety Compliance Phase I	CE 0	0	0
	LI 0	0	0
	GPP 0	0	0
	-----	-----	-----
	31	0	0

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
6676-0 300 Area Process Sewer	OE	31	0	0
	CE	0	0	0
	LI	7,800	0	0
	GPP	0	0	0
			-----	-----
		7,831	0	0
6677-0 Hanford Infrastructure, Underground Tanks	OE	31	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		31	0	0
6678-0 Roads, Grounds and Lights Safety Improvements	OE	18	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		18	0	0
6679-0 Landlord Safety Compliance Phase II	OE	31	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		31	0	0

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

	FUND TYPE	FY 1995 Congress. Request	FY 1995 New Target	FY 1996 New Target
6681-0 Primary Highway Route	OE	42	0	0
	CE	0	0	0
	LI	2,500	0	0
	GPP	0	0	0
		-----	2,542	0
6684-0 300 Area Electric Distribion Conversion Phase II	OE	31	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	31	0
6685-0 Laborary Support	OE	1,666	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	1,666	0
6686-0 Building #324 Facility Compliance/Renovation	OE	42	0	0
	CE	0	0	0
	LI	1,500	0	0
	GPP	0	0	0
		-----	1,542	0

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

	FUND TYPE	FY 1995 Congress. Request	FY 1995 New Target	FY 1996 New Target
6687-0 Building #325 Facility Compliance/Renovation	OE	31	0	0
	CE	0	0	0
	LI	1,000	0	0
	GPP	0	0	0
			----- 1,031	----- 0
6660-0 Program Integration	OE	0	4,678	5,027
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			----- 0	----- 4,678
6665-0 Expense Funded Projects	OE	0	7,378	4,507
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			----- 0	----- 7,378
6670-0 Capital Equipment	OE	0	105	108
	CE	0	9,164	7,725
	LI	0	0	0
	GPP	0	0	0
			----- 0	----- 9,269

c:\ltsdata\target2.wk3 / mlv
DISK:check.wk3 / mlv FINAL
15-Apr-94

**FY 1994 and FY 1995 Budget Profile
(By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
OE	0	1,080	1,340
CE	0	0	0
LI	0	0	0
GPP	0	6,279	5,300
	-----	-----	-----
	0	7,359	6,640

6675-0
General Plant Projects

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

<u>PROGRAM / WBS</u> <u>ADS # / Title / (Proj #)</u>	<u>FUND</u> <u>TYPE</u>	<u>FY 1995</u> <u>Congress.</u> <u>Request</u>	<u>FY 1995</u> <u>New</u> <u>Target</u>	<u>FY 1996</u> <u>New</u> <u>Target</u>
6680-0 Line Items	OE	0	1,275	417
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		0	1,275	417
6680-1 93-K-003, KEH Multi Purpose Facility	OE	0	59	199
	CE	0	0	0
	LI	0	3,100	0
	GPP	0	0	0
			-----	-----
		0	3,159	199
6680-2 92-L-017, 200 East Steam Sys Rehab, Phase II	OE	0	31	32
	CE	0	0	0
	LI	0	600	0
	GPP	0	0	0
			-----	-----
		0	631	32
6680-3 90-L-035, Landlord Safety Compliance Phase I	OE	0	31	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		0	31	0

c:\ltsdata \ target2.wk3 / mlv
 DISK:check.wk3/ mlv FINAL
 15-Apr-94

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
6680-4 94-L-070, 300 Area Process Sewer Piping System Upgrade	OE	0	342	395
	CE	0	0	0
	LI	0	7,800	1,000
	GPP	0	0	0
			-----	-----
		0	8,142	1,395
6680-5 92-L-044, Hanford Infrastructure Underground Storage Tanks	OE	0	31	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		0	31	0
6680-6 92-L-019, Road Ground And Lighting Safety Improve., 300/1100 Areas	OE	0	18	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		0	18	0
6680-7 93-L-073, Landlord Program Safety Compliance, Phase II	OE	0	31	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		0	31	0

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
6680-8 95-L-102, Primary Highway Route- North of Wye Barricade	OE	0	58	56
	CE	0	0	0
	LI	0	1,500	8,100
	GPP	0	0	0
			-----	-----
		0	1,558	8,156
6680-9 91-B-524, 300A Electrical Distribution Conversion & Safety Improve., Phase I	OE	0	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		0	0	0
6680-10 92-L-047, 300A Electrical Distribution Conversion & Safety Improve., Phase II	OE	0	31	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
			-----	-----
		0	31	0
6680-11 95-D-424, 324 Facility Compliance/ Renovation	OE	0	43	33
	CE	0	0	0
	LI	0	1,500	3,500
	GPP	0	0	0
			-----	-----
		0	1,543	3,533

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
6680-12 93-D-391, 325 Facility Compliance/ Renovation	OE	0	34	36
	CE	0	0	0
	LI	0	1,000	0
	GPP	0	0	0
			-----	-----
		0	1,034	36
6680-13 96-L-116, 200 Area Sanitary Sewer System	OE	0	95	71
	CE	0	0	0
	LI	0	0	1,800
	GPP	0	0	0
			-----	-----
		0	95	1,871
6680-14 96-L-094, Hanford Fire Department Facilities	OE	0	80	71
	CE	0	0	0
	LI	0	0	1,900
	GPP	0	0	0
			-----	-----
		0	80	1,971

c:\tsdata \ target2.wk3 / mlv
 DISK:check.wk3/ mlv FINAL
 15-Apr-94

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>	
6680-15	OE	0	100	150
96-D-420, Buildings Utility Replacement, 300 Area	CE	0	0	0
	LI	0	0	1,000
	GPP	0	0	0
		-----	-----	-----
		0	100	1,150
LANDLORD (WBS 1.6) ALL is EM-60	OE	15,803	15,500	12,442
	CE	11,500	9,164	7,725
	LI	22,400	15,500	17,300
	GPP	7,200	6,279	5,300
		-----	-----	-----
		56,903	46,443	42,767

SUBTOTAL

c:\tsdata \ target2.wk3 / mlv
 DISK:check.wk3 / mlv FINAL
 15-Apr-94

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
----------------------	--	-----------------------------------	-----------------------------------

PLANS & BUDGETS (WBS 1.8.2)

7250-0
 Integration Planning

OE	7,295	8,387	7,751
CE	0	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	7,295	8,387	7,751

7260-0
 Site Support - Waste Ops

OE	0	0	0
CE	0	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	0	0	0

PLANS & BUDGETS (WBS 1.8.2)

OE	7,295	8,387	7,751
CE	0	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----

SUBTOTAL

	7,295	8,387	7,751
--	-------	-------	-------

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

**FUND FY 1995 FY 1995 FY 1996
TYPE Congress. New New
 Request Target Target**

HEMP (WBS 1.5.2)

7330-0
 Environ Planning & TPA Mgt

OE	9,077	7,599	7,534
CE	170	170	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	9,247	7,769	7,534

7332-0
 Waste Minimization

OE	817	563	576
CE	0	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	817	563	576

HEMP (WBS 1.5.2)

(EM-30)

OE	9,894	8,162	8,110
CE	170	170	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	10,064	8,332	8,110

SUBTOTAL

10,064 8,332 8,110

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS
ADS # / Title / (Proj #)

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
(WBS 1.5.3)			
OE	21,095	22,666	18,288
CE	3,000	2,000	2,000
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	24,095	24,666	20,288
OE	1,653	600	0
CE	0	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	1,653	600	0
OE	22,748	23,266	18,288
CE	3,000	2,000	2,000
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
SUBTOTAL	25,748	25,266	20,288

RCRA & OPERATIONAL MONITORING

7340-0
 Env Surveillance & Monitoring

7340-1
 RCRA GW Well Installation
 (Well construction support will be funded
 exclusively from carryover, per direction.)

**RCRA & OPERATIONAL MONITORING
 (WBS 1.5.2)**

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS
ADS # / Title / (Proj #)

INVENTORIES (WBS 1..5.2.3)

7360-0
 Inventories

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
OE	3,334	2,701	2,627
CE	0	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
SUBTOTAL	3,334	2,701	2,627

**WASTE MGT/
 FACILITIES IN TRANSITION**

OE	981,262	990,152	1,001,230
CE	63,445	60,575	54,934
LI	228,114	175,643	229,348
GPP	14,400	11,482	17,283
	-----	-----	-----
WHC Total EM - 30 and EM-60	1,287,221	1,237,852	1,302,795

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS
ADS # / Title / (Proj #)

PNL (WBS 1.7)

8400-0 Defense
 WM Science & Tech & Compl Ops

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
OE	24,932	27,874	28,658
CE	150	158	301
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	25,082	28,032	28,959

8430-0 Non-Defense
 Corr Activity - Science &
 Technology Research

OE	0	0	0
CE	0	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	0	0	0

8410-0
 Non-Defense
 WM Science & Tech & Compl Ops

OE	12,133	12,133	12,364
CE	0	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	12,133	12,133	12,364

8410-1
 Non-Defense
 Building Utilities - Phase I -
 Facility Compl/Ren

OE	0	0	0
CE	0	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	0	0	0

c:\ltdata\target2.wk3 /mlv
 DISK:check.wk3/mlv FINAL
 15-Apr-94

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
8410-2 Non-Defense 329 Building Compliance	OE	0	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
		0	0	0
8410-3 Non-Defense Hazardous Waste Treatment	OE	0	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
		0	0	0
PNL (WBS 1.7)	OE	37,065	40,007	41,022
	CE	150	158	301
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
	SUBTOTAL	37,215	40,165	41,323
CONTRACTORS Program Adjustment Challenge 9999-99	OE	(25,969)	0	0
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
		(25,969)	0	0

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
RL DIRECTION & GRANTS MGMT (WBS 1.8.1)				
103-0	OE	6,022	10,674	5,703
RL Field Support - WM	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
	(EM-30)	6,022	10,674	5,703
3031-1	OE	15,191	25,406	25,225
Program Direction - WM	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
	(EM-30)	15,191	25,406	25,225
Additional RL Budget (EM-30)		0	0	0
RL Direction & Grants MGMT (WBS 1.8.1)				
	OE	21,213	36,080	30,928
	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
	SUBTOTAL EM-30	21,213	36,080	30,928

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

RL DIRECTION & GRANTS MGMT (WBS 1.8.1)

104-0
 RL Public Support - LL

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
OE	4,300	0	0
CE	0	0	0
LI	0	0	0
GPP	0	0	0

(EM-60)

4,300	0	0
-------	---	---

6690-0
 Yakima Indian Nation
 (7300-0)

OE	869	1,600	1,800
CE	0	0	0
LI	0	0	0
GPP	0	0	0

(EM-60)

869	1,600	1,800
-----	-------	-------

6691-0
 Nez Perce Indian Nation
 (7310-0)

OE	435	1,200	1,400
CE	0	0	0
LI	0	0	0
GPP	0	0	0

(EM-60)

435	1,200	1,400
-----	-------	-------

6692-0
 Umatilla Indian Nation
 (7320-0)

OE	652	1,400	1,600
CE	0	0	0
LI	0	0	0
GPP	0	0	0

(EM-60)

652	1,400	1,600
-----	-------	-------

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

	<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
6693-0	OE	543	543	559
Oregon Oversight	CE	0	0	0
(7325-0)	LI	0	0	0
	GPP	0	0	0
	(EM-60)	543	543	559
6694-0	OE	4,897	4,897	5,039
Tri-Party Agreement State Funding	CE	0	0	0
(7335-0)	LI	0	0	0
	GPP	0	0	0
	(EM-60)	4,897	4,897	5,039
6695-0	OE	1,669	1,669	1,717
Misc Activities	CE	0	0	0
(7370-0)	LI	0	0	0
	GPP	0	0	0
	(EM-60)	1,669	1,669	1,717
6603-0	OE	28,887	41,543	39,488
(103 on HQ table)	CE	0	0	0
Program Support - FT	LI	0	0	0
	GPP	0	0	0
	(EM-60)	28,887	41,543	39,488

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

	FUND TYPE	FY 1995 Congress. Request	FY 1995 New Target	FY 1996 New Target
6604-0	OE	0	4,300	2,000
Dose Recon. / Health Info. Network	CE	0	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
(EM-60)		0	4,300	2,000
6631-0	OE	26,669	34,891	37,063
Program Direction - FT	CE	136	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
(EM-60)		26,805	34,891	37,063

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
Additional RL Budget (EM-60)		0	0	0
RL DIRECTION & GRANTS MGMT (WBS 1.8.1)	OE	68,921	92,043	90,666
	CE	136	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
SUBTOTALEM-60		69,057	92,043	90,666
RL DIRECTION & GRANTS MGMT (WBS 1.8.1)	OE	90,134	128,123	121,594
	CE	136	0	0
	LI	0	0	0
	GPP	0	0	0
		-----	-----	-----
SUBTOTALEM-30 & EM-60		90,270	128,123	121,594

c:\ltd\data\target2.wk3 / mlv
 DISK:check.wk3/ mlv FINAL
 15-Apr-94

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
 ADS # / Title / (Proj #)**

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>	
ECONOMIC TRANSITION				
6602-0				
OE	0	3720	4000	
CE	0	0	0	
LI	0	0	0	
GPP	0	0	0	
	-----	-----	-----	
	0	3720	4000	
WASTE MGT/ FACILITIES IN TRANSITION	OE	1,108,461	1,162,002	1,167,846
	CE	63,731	60,733	55,235
	LI	228,114	175,643	229,348
	GPP	14,400	11,482	17,283
		(25,969)	0	0
Prog Adjustment / Challenge		0	0	0
HQ Adjustment to EM-30 / Challenge		0	0	0
Anticipated Reduction to EM-60 / Challenge		0	0	0
	-----	-----	-----	-----
TOTAL EM -30 and EM-60		1,388,737	1,409,860	1,469,712

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS	FUND	FY 1995	FY 1995	FY 1996
ADS # / Title / (Proj #)	TYPE	Congress. Request	New Target	New Target
ENVIRONMENTAL RESTORATION EM-40				
3000 SST Closures	OP	0	0	0
3010 RARA/USTs	OP	7,802	7,802	7,427
3020 RCRA Closures	OP	2,537	6,446	2,094
3100 100 DR Char, Assess, & Remedial Action	OP	3,243	1,239	5,653
3105 100 BC Char, Assess, & Remedial Action	OP	8,062	4,789	23,564
3110 100 KR Char, Assess, & Remedial Action	OP	5,198	1,708	229
3115 100 FR Char, Assess, & Remedial Action	OP	1,699	1,741	229
3120 100 HR Char, Assess, & Remedial Action	OP	8,357	13,033	9,802
3125 100 NR Char, Assess, & Remedial Action	OP	8,204	6,311	1,388
3200 200 BP Char, Assess, & Remedial Action	OP	28,428	5,127	5,829
3205 200 NO Char, Assess, & Remedial Action	OP	0	0	0
3210 200 PO Char, Assess, & Remedial Action	OP	0	0	0
3215 00 RO Char, Assess, & Remedial Action	OP	0	0	0
3220 200 SO Char, Assess, & Remedial Action	OP	0	0	0
3225 200 TP Char, Assess, & Remedial Action	OP	0	0	0
3230 200 UP Char, Assess, & Remedial Action	OP	10,524	4,627	4,865
3235 200 ZP Char, Assess, & Remedial Action	OP	15,828	11,074	10,784
3240 200 IU Char, Assess, & Remedial Action	OP	0	0	0
3245 200 SS Char, Assess, & Remedial Action	OP	0	0	0
3250 200 EGW Char, Assess, & Remedial Action	OP	0	0	0
3255 200 WGW Char, Assess, & Remedial Action	OP	0	0	0
3300 300 FF Char, Assess, & Remedial Action	OP	6,731	6,687	14,190
3390 1100 EM Char, Assess, & Remediation	OP	7,242	7,243	0
3400 Program Management Support Remedial Action	OP	71,041	52,971	55,636
3410 Program Management Support Decon & Decom	OP	2,361	0	0
3500 Asbestos Abatement	OP	1,858	2,801	3,203
3510 100 Area	OP	5,422	21,813	24,516

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

<u>PROGRAM / WBS</u> <u>ADS # / Title / (Proj #)</u>	<u>FUND</u> <u>TYPE</u>	<u>FY 1995</u> <u>Congress.</u> <u>Request</u>	<u>FY 1995</u> <u>New</u> <u>Target</u>	<u>FY 1996</u> <u>New</u> <u>Target</u>	
3520 200 Area	OP	8,463	6,878	5,745	
3530 300 Area	OP	0	0	0	
3600 N Reactor	OP	22,700	27,511	28,854	
3700 Disposal Facility	OP	4,000	39,725	36,843	
3800 S & M Post Remedial Actions	OP	0	0	230	
8415 PNL's	OP	0	0	0	
Non WHC Carryover		0	0	0	
Productivity Challenge		0	(20,949)	(22,646)	
RL's Environmental Restoration (EM-40)	*	229,700	208,577	218,435	
HQ Adjustment		0	0	0	
ENVIRONMENTAL RESTORATION EM-40 in FYP		229,700	208,577	218,435	
		OP	1,338,161	1,370,579	1,386,281
		CE	63,731	60,733	55,235
		LI	228,114	175,643	229,348
		GPP	14,400	11,482	17,283
Prog Adjustment/ Challenge			(25,969)	0	0
HQ Adjustment to EM-30 / Challenge			0	0	0
Anticipated Reduction to EM-60 / Challenge			0	0	0
GRAND TOTAL - EM			1,618,437	1,618,437	1,688,147

* Actual distribution of current year B/A may change upon approval of the ER FYWP.

** Actual distribution by ADSs is not available at this time

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

<u>PROGRAM / WBS</u> <u>ADS # / Title / (Proj #)</u>	<u>FUND</u> <u>TYPE</u>	<u>FY 1995</u> <u>Congress.</u> <u>Request</u>	<u>FY 1995</u> <u>New</u> <u>Target</u>	<u>FY 1996</u> <u>New</u> <u>Target</u>
WASTE MANAGEMENT and FACILITIES TRANSITION SUMMARY by HQ ORGANIZATION:				
WASTE MANAGEMENT	OE	806,389	879,212	891,079
	CE	51,445	50,669	45,910
	LI	205,714	160,143	212,048
	GPP	6,000	5,203	11,883
		-----	-----	-----
EM-30		1,069,548	1,095,227	1,160,920
		-----	-----	-----
FACILITIES IN TRANSITION	OE	276,103	282,790	276,767
	CE	12,286	10,064	9,325
	LI	22,400	15,500	17,300
	GPP	8,400	6,279	5,400
		-----	-----	-----
EM-60		319,189	314,633	308,792
		-----	-----	-----
TOTAL	OE	1,082,492	1,162,002	1,167,846
	CE	63,731	60,733	55,235
	LI	228,114	175,643	229,348
	GPP	14,400	11,482	17,283
Prog. Adjustment / Challenge		(25,969)	0	0
HQ Adjustment to EM-30 / Challenge		(58,000)	0	0
Anticipated Reduction to EM-60 / Challenge		(2,000)	0	0
		-----	-----	-----
Waste Management and Facilities Transition		1,302,768	1,409,860	1,469,712
		=====	=====	=====

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
------------------	----------------------------------	---------------------------	---------------------------

NON-DEFENSE SUMMARY (by Contractor)

PNL

OP	12,133	12,133	12,364
CE	0	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	12,133	12,133	12,364
	-----	-----	-----

WHC/
 ADVANCED
 REACTOR / FFTF

OP	64,445	50,326	53,254
CE	350	400	200
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	64,795	50,726	53,454
	-----	-----	-----

TOTAL Non-Defense

OE	76,578	62,459	65,618
CE	350	400	200
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	76,928	62,859	65,818
	=====	=====	=====

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
SUMMARY: Waste Mgt & Facilities Transition Defense and Non-Defense (by Fund Type)				
	OE	1,005,914	1,099,543	1,102,228
	CE	63,381	60,333	55,035
	LI	228,114	175,643	229,348
	GPP	14,400	11,482	17,283
DEFENSE TOTAL		1,311,809	1,347,001	1,403,894
	OE	76,578	62,459	65,618
	CE	350	400	200
	LI	0	0	0
	GPP	0	0	0
NON-DEFENSE TOTAL		76,928	62,859	65,818
Prog. Adjustment / Challenge		(25,969)	0	0
HQ Adjustment to EM-30 / Challenge		(58,000)	0	0
Anticipated Reduction to EM-60 / Challenge		(2,000)	0	0
Waste Management and Facilities Transition Total		1,302,768	1,409,860	1,469,712

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
WASTE TANK SAFETY (WBS 1.1.1)			
OE	306,240	303,435	322,093
CE	37,450	35,243	33,306
LI	29,114	22,425	23,852
GPP	4,000	2,803	5,483
	-----	-----	-----
	376,804	363,906	384,734
TANK WASTE DISP (WBS 1.1.2)			
OE	184,337	204,263	195,610
CE	2,535	5,968	4,113
LI	118,005	87,810	132,824
GPP	0	0	0
	-----	-----	-----
	304,877	298,041	332,547
OE	490,577	507,698	517,703
CE	39,985	41,211	37,419
LI	147,119	110,235	156,676
GPP	4,000	2,803	5,483
	-----	-----	-----
TWRS SUBTOTAL	681,681	661,947	717,281

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

PROGRAM / WBS <u>ADS # / Title / (Proj #)</u>	FUND <u>TYPE</u>	FY 1995 <u>Congress. Request</u>	FY 1995 <u>New Target</u>	FY 1996 <u>New Target</u>
SOLID WASTE (WBS 1.2.1)	OE	49,212	37,032	47,648
	CE	2,533	2,533	900
	LI	46,195	32,408	27,812
	GPP	200	200	300
			98,140	72,173
LIQUID EFFLUENTS/HEC (WBS 1.2.2)	OE	30,371	39,416	35,950
	CE	207	207	200
	LI	7,100	6,600	19,760
	GPP	0	0	4,000
			37,678	46,223
WASTE DECON (WBS 1.2.3)	OE	37,898	31,681	32,119
	CE	1,600	590	590
	LI	0	0	2,200
	GPP	600	1,000	600
			40,098	33,271
SUBTOTAL : SOLID/LIQUID/ HEC/WASTE DECON (WBS 1.2)	OE	117,481	108,129	115,717
	CE	4,340	3,330	1,690
	LI	53,295	39,008	49,772
	GPP	800	1,200	4,900
			175,916	151,667

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

FACILITY OPS
 (WBS 1.3.1)

FUND TYPE	FY 1995 Congress. Request	FY 1995 New Target	FY 1996 New Target
OE	191,387	214,686	208,327
CE	1,000	1,200	2,100
LI	0	0	0
GPP	1,200	0	100
	-----	-----	-----
	193,587	215,886	210,527
	-----	-----	-----

ADVANCED REACTOR
 (WBS 1.4)

OE	64,445	50,626	59,254
CE	350	400	200
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	64,795	51,026	59,454
	-----	-----	-----

ANALYTICAL SVCS
 (WBS 1.5.1)

OE	58,298	50,997	51,011
CE	3,100	3,100	3,800
LI	5,300	10,900	5,600
GPP	1,200	1,200	1,500
	-----	-----	-----
	67,898	66,197	61,911
	-----	-----	-----

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

LANDLORD
 (WBS 1.6)

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
OE	15,803	15,500	12,442
CE	11,500	9,164	7,725
LI	22,400	15,500	17,300
GPP	7,200	6,279	5,300
	-----	-----	-----
	56,903	46,443	42,767
	-----	-----	-----

GROUNDWATER &
 RCRA MONITORING
 (WBS 1.5.3)

OE	22,748	23,266	18,288
CE	3,000	2,000	2,000
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	25,748	25,266	20,288
	-----	-----	-----

HEMP
 (WBS 1.5.2)

OE	9,894	8,162	8,110
CE	170	170	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	10,064	8,332	8,110
	-----	-----	-----

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
 ADS # / Title / (Proj #)**

PLANNING INTEGRATION
 (WBS 1.8.2)

FUND TYPE	FY 1995 Congress. Request	FY 1995 New Target	FY 1996 New Target
OE	7,295	8,387	7,751
CE	0	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	7,295	8,387	7,751
	-----	-----	-----

INVENTORIES
 (WBS 1.5.2.3)

OE	3,334	2,701	2,627
CE	0	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	3,334	2,701	2,627
	-----	-----	-----

PNL
 (WBS 1.7)

OE	37,065	40,007	41,022
CE	150	158	301
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	37,215	40,165	41,323
	-----	-----	-----

**FY 1994 and FY 1995 Budget Profile
 (By Program, ADS and Fund Type) (\$000)**

**PROGRAM / WBS
ADS # / Title / (Proj #)**

DOE-RL
 (WBS 1.8.1)

<u>FUND TYPE</u>	<u>FY 1995 Congress. Request</u>	<u>FY 1995 New Target</u>	<u>FY 1996 New Target</u>
OE	90,134	128,123	121,594
CE	136	0	0
LI	0	0	0
GPP	0	0	0
	-----	-----	-----
	90,270	128,123	121,594
	-----	-----	-----

OE	1,108,461	1,162,002	1,167,846
CE	63,731	60,733	55,235
LI	228,114	175,643	229,348
GPP	14,400	11,482	17,283
	(25,969)	0	0
	-----	-----	-----

Prog. Adjustment/ Challenge

Waste Management and Facilities Transition Total

	1,388,737	1,409,860	1,469,712
	-----	-----	-----

Environmental Restoration

	229,700	208,577	218,435
	-----	-----	-----

GRAND TOTAL

	1,618,437	1,618,437	1,688,147
	=====	=====	=====

**THIS PAGE INTENTIONALLY
LEFT BLANK**

RICHLAND OPERATIONS OFFICE
INTEGRATED BUDGET SUBMITTAL
SUMMARY BY PROGRAM
TARGET CASE
 (\$ in thousands)

	FY 1995			FY 1996		
	<u>CONGRESS. REQUEST</u>	<u>INTEGRATED CASE</u>	<u>DELTA</u>	<u>96 ADS HQ GUID.</u>	<u>INTEGRATED CASE</u>	<u>DELTA</u>
EM-30	1,069,548	1,098,993	29,445	1,024,398	1,164,920	140,522
EM-40	229,700	208,577	(21,123)	211,324	218,435	7,111
EM-60	<u>319,189</u>	<u>310,867</u>	<u>(8,322)</u>	<u>321,577</u>	<u>304,792</u>	<u>(16,785)</u>
GRAND TOTAL	<u>1,618,437</u>	<u>1,618,437</u>	<u>0</u>	1,557,299	<u>1,688,147</u>	<u>130,848</u>
ADDITIONAL TARGET				<u>130,848</u>		
95 ADS TARGET*				<u>1,688,147</u>		

* PER AGREEMENT BETWEEN JOHN WAGONER AND TOM GRUMBLY TELECON, 3/25/94 TO USE TARGETS ASSUMED DURING TPA NEGOTIATIONS.

SITE BUDGET SUMMARY
 TARGET FUNDING GUIDANCE
 FY 1996 ADS PREPARATION BY PROGRAM
 (\$ IN 000'S)

<u>PROGRAM</u>	<u>REVISED TARGET FY 1995</u>	<u>DECREMENT FY 1996</u>	<u>TARGET FY 1996</u>	<u>PLANNING CASE FY 1996</u>
<u>WASTE MANAGEMENT (WM) (EM-30)</u>				
TWRS	661,947	609,689	717,281	717,281
Solid Waste	72,173	65,161	76,660	131,482
Liquid Effluents/HEC	46,223	50,924	59,910	63,035
Waste and Decon Services	33,271	30,183	35,509	64,656
Facility Operations EM-30	35,000	30,058	35,362	43,217
Analytical Services	66,197	52,624	61,911	85,975
HEMP	8,332	6,894	8,110	11,170
Plans & Budgets	8,387	6,588	7,751	14,138
RCRA & Operational Monitoring	25,266	17,245	20,288	39,065
Inventories	2,701	2,233	2,627	3,948
PNL	40,165	35,125	41,323	45,165
Spent Fuel Program (Includes K Basin Operations in 95/96)	59,485	53,771	63,260	75,565
DOE-RL (WM)	36,080	30,928	30,928	30,928
TOTAL (WM)	1,095,227	991,421	1,160,920	1,325,625

<u>PROGRAM</u>	<u>REVISED TARGET FY 1995</u>	<u>DECREMENT FY 1996</u>	<u>TARGET FY 1996</u>	<u>PLANNING CASE FY 1996</u>
<u>FACILITIES TRANSITION (FT) (EM-60)</u>				
Facility Operations	121,401	95,119	111,905	124,076
Landlord	46,443	36,352	42,767	69,727
Advanced Reactor	51,026	32,531	59,454	77,294
Economic Transition	3,720	972	4,000	4,000
DOE-RL (FT)	92,043	90,666	90,666	90,666
TOTAL (FT)	314,633	255,640	308,792	365,763
 <u>ENVIRONMENTAL RESTORATION (ER) (EM-40)</u>				
TOTAL (ER)	208,577	187,862	218,435	218,435
 TOTAL WM, FT, AND ER	 \$1,618,437	 \$1,434,924	 \$1,688,147	 \$1,909,823

**RICHLAND OPERATIONS OFFICE
 FY 1996 ADS SUBMITTAL
 REVISED TARGETS
 (\$ IN 000'S)**

	<u>FY 1995*</u>	<u>FY 1996</u>	<u>FY 1997**</u>	<u>FY 1998**</u>	<u>FY 1999**</u>	<u>FY 2000***</u>
95 FYP TARGETS****	1,618,437	1,688,147	1,862,353	2,262,353	2,262,273	2,364,365
96 FYP TARGETS	<u>1,618,437</u>	<u>1,557,299</u>	<u>1,687,174</u>	<u>2,018,677</u>	<u>2,058,826</u>	<u>2,099,790</u>
ADDITIONAL TARGET ASSUMED BY RL	0	130,848	175,179	243,676	203,447	264,575

* REPRESENTS CONGRESSIONAL BUDGET

** FY 97 INCREASED \$100M FOR TWRS; FY 98 INCREASED \$400M FOR TWRS; FY 99 INCREASED \$408M FOR TWRS; FY 2000 INCREASED \$416M FOR TWRS PER ELI BRONSTEIN MEMO DATED 3/18/94

*** FY 2000 REPRESENTS THE FY 99 TARGET INCREASED BY 1.9%

**** FY 95 FIVE YEAR PLAN TARGET LEVELS USED AS BASIS FOR RENEGOTIATING TRI-PARTY AGREEMENT IN 9/93

ADDTLTAR.WK3

4/15/94

BUD:JLW

IV.a - RL Integrated Priority List (EM Integrated)

Report #1
Table: Pri96.db
Report Title: By Case by RL Priority

Case: D=Decrement, T=Target, P=Planning

Summary Explanation of Report:

This report provides a total site (Waste Management, Facilities Transition and Environmental Restoration) integrated priority list. The information is packaged as follows:

- * First summary level is the Decrement Case sorted by RL priority. In other words, the decrement case is listed with all A1 priority workscope first and all F1 priority workscope last.
- * Second summary level lists the incremental dollars required to build to the Target level of funding (these dollars are additive to what is in the Decrement Case); this is also listed in order of RL priority.
- * Third summary level lists the additional incremental dollars required to build to the Planning Case (i.e. decrement case plus target case increments plus planning case increments equal total Planning Case); this data is listed in order of RL priority.

Also provided on this report under the column heading "Productivity/Add'l Target" are double asterisks (**) to indicate which scope would be eliminated if the additional HQ target of \$131M is not provided in FY 1996. This data will be revisited in the May timeframe.

**THIS PAGE INTENTIONALLY
LEFT BLANK**

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\	
Ads# Act	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target	

Case: D							
-1100-	-		Tank Farm Routine Surveillances	A1		Acquires routine surveillance data (tank data, vent systems, LOWs, etc.) in the 200 East/West tank farms. Required for contuned safe storage of underground waste tank in 200 East/West areas. In addition, WAC 173-303 "Dangerous Waste Regulations," requires a monitoring/surveillance for safe storage.	14,600
1110-0-		1	Close USQs for Flammable Gas Tanks	A1		TPA M-40-09, Safety Initiative 21. Delay closure of SY, AW, and AN farm USQs.	1,617
1110-0-		1	Evaluate Alternate Mitigation	A1		Current baseline reflects \$1460k in FY95 and \$1777k in FY96. This funding is required for sonic probe efforts. A revised funding level eliminates sonic probe development work and commences with dilution studies. This is required to evaluate alternate mitigation techniques for flammable gas tanks (Dilution). No alternative options to mitigating flammable tanks if unforeseen problems arise with mitigation pumps.	533
1110-0-		1	Evaluate and Define Flammable Gas Tanks	A1		Vapor, auger, and retained gas sampling; data analysis, and waste behavior data evaluation. Analysis and interpretation of data as it relates to safety issue resolution would be deferred.	3,346
1110-0-		1	Evaluate and Define High Heat Tanks	A1		Safety Initiative 2x and TPA M-40-05. Process test to reduce drainable liquid to a minimum level in 106-C would not be completed.	475
1110-0-		1	Evaluate and Define Misc. Undgerground Tanks	A1		Initiate safety screening and monitoring of misc. tanks. Would defer identification of potential safety issues.	1,444
1110-0-		1	Evaluate and Define Tank Vapor	A1		Tank headspace vapor characterization is essential to sound Industrial Hygiene vapor monitoring. This data is required to adequately protect Tank Farm workers. Worker safety is first priority for all work performed in the tank farms. This activity allows for sampling of tank vapors for chemical constituents, flammability, and aerosols to deal with resolution of the vapor release problem in and around suspect tanks, and to reduce respiratory protection requirements in the tank farms. Potential impacts to worker safety, and completion of TPA milestones M-40-03 to perform vapor characterization for all FeCN tanks, and M-40-08 to	368
1110-0-		1	Evaluate and Define Technology Development for Flammable Gas Tanks	A1		Synathetic waste studies and modeling of gas generation and retention mechnisms and waste behavior. Add'l characterization and monitoring efforts would be required in lieu of laboratory activiries to provide the basis for USQ closure and safety issue resolution.	4,329
1110-0-		1	Evaluate and Define Technology	A1		This activity includes technology and evaluation to define the	3,202

4/19/94

9:54 am

Table: Pri96.db

Report: #1

Sub

Ads# Act

Workscope Desc

Priority

RL Grmbly

Justification

(\$,000)

FY 95

(\$,000)

FY 96

Productivity\

Add'l Target

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 2

Case: D

Case: D	Workscope Desc	Priority	RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
	Development for Organic Tanks				organic safety issue (organic Watch List criteria and model of waste for each tank to bound its safety).			
1110-0-	Evaluate and Define for 18 FeCN Tanks	A1		1	Evaluation and definition of the safety hazards associated with FeCN tanks is by conduction evaluations of historical data, performing waste stimulant studies, monitoring data, analyzing tanks waste samples, and conducting waste modeling. This activity includes tank monitoring upgrades and safety and environmental documentaion for installation of monitoring upgrades within the FeCN tanks. Tank monitoring upgrades will provide the required surveillance in association with resolving the FeCN safety issue. Any reduction of funds will impact completion of TPA milestone M-40-02, to upgrade temperature monitoring capabilities in FeCN tanks by April 1995.		4,939	
1110-0-	Evaluate and Define for Organic Tanks	A1		1	This activity provides for the evaluation and definition of the organic safety issue through waste sampling and analysis. The objective of this activity is to obtain characterization data in order to model the waste for each tank. Impacts may delay organic tank safety issue resolution by 12/97.		1,047	
1110-0-	Fabricate/Install 103-SY Mitigation Pump	A1		1	Current baseline reflects \$3649 in FY95 and \$20692 in FY96. A revised funding level delays mitigation work for tank SY-103, and would allow minimal efforts for this activity. Tank 241-SY-103 is one of five flammable gas Watch List tanks potentially requiring mitigation. Delayed mitigation, if data analysis indicates that mitigation is required. Delay would increase the risk of a tank detonation.		11,407	
1110-0-	Mitigate C-103 Organic Issue	A1		1	Scope includes the development, testing, installation, and operation of equipment for skimming the floating organic layer from the tank. In addition, it will be necessary to remove the floating organic safety issues, the organic will be pumped and stored in a RCRA compliant storage area and will be treated and disposed. Reductions in funding will result in potential delay in completion of TPA milestone M-40-04, Complete removal of floating organic layer from tank 241-C-103 by 6/95, and Safety Inititative S1-2u, Remove organic layer from tank 241-C-103 by 3/95.		3,756	
1110-0-	Mitigate Hydroxide Consumption	A1		1	Perform mixing operations of sodium hydroxide (caustic) in 107-AN; design caustic injection and rising systems for 102-AZ and 102-AN. Tanks would remain out of compliance with the tank farm composition		2,225	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 3

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	Workscope Desc	RL Grmbly	FY 95	FY 96	Add'l Target

Case: D					
1110-0-	Perform Waste Tank Safety Program Management	A1 1		6,665	
			operating specification for hydroxide ion concentration which can potentially cause stress corrosion cracking.		
			Provide management of the Waste Tank Safety Program and Safety Issue Resolution; TPA milestone M-40-00. Loss of management and advisory resources would potentially cause delays in mitigating waste tanks, closing USQs and resolving safety issues.		
1110-0-	Resolve FeCN Safety Issue	A1 1		1,545	
			Resolution of the FeCN safety issue is a two-step process that requires that FeCN USQ and then obtaining representative core samples and analytical analyses from each tank for similar groups of tanks to validate the tanks fit into either the safe or conditionally safe categories. This activity includes technical support funding, core sample data interpretation, safety documentation, and other associated tasks to resolve the safety issue. Reduction of funds will impede ability to resolve the FeCN safety issue within the specified timeframe.		
1110-0-	Resolve Internal-Organic Tanks without Treatment	A1 1		13,053	
			Logic to resolve the tank waste safety issue is to understand the mechanisms responsible for the potential hazard and to monitor and control waste storage parameters required to ensure compliance with safety criteria. This activie includes tank monitoring upgrades and safety and environmental documentation for installation of monitoring upgrades within the organic tanks. Tank monitoring upgrades will provide the required surveillance in association with resolving the organic safety issue. Any reduction of funds will impact completion of Safety Initiative milestones SI-2t, to install TCs and CTMS by 3/95. Failure to provide pressure monitoring of the tanks will		
1110-0-	Resolve Safety Issue organic Tanks	A1 1		143	
			Develop organic tank safety criteria through integration of all technical activities. Classify waste in 149 single-shell tanks, define monitoring, controls and procedures to ensure tank operations are conducted within compliance of safety criteria. Provide technical justification for recommending resolution of the organic tanks safety issue. Impacts may delay organic tank safety issue resolution by 12/97.		
1110-0-	Store and Monitor Flammable Gas Tanks	A1 1		11,653	
			TPA M-40-10, Safety Initiative 2f, 2h. Delay installation of gas monitors on remaining SSTs; delay vapor space monitoring of all flammable gas tanks; delay installation of SY farm exhauster and spark proof fan.		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 4

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target
Case: D						
1110-0-	A1	1	DOE-HQ requirement to develop better methods of fissile material measurements in Hanford tanks and maintain tank criticality databases. Inaccurate fissile measurements and criticality databases could result in criticality violations.		1,889	
1110-0-	A1	1	Required to provide QA overview of the Waste Tank Safety Program. Loss of quality assurance and oversight functions would erode the validity of all data collected.		1,822	
1130- -	A1	1	Analyzes core samples tank from non-watch list tanks. The DNFSB 93-5 commitment requires safety screen of non-watch list tanks by 10/96.		6,553	
1130- -	A1	1	Analyzes core samples tank from watch list tanks. The DNFSB 93-5 commitment requires safety screen of watch list tanks by 10/96.		10,713	
1130- -	A1	1	Analyzes auger and vapor samples. Auger sample analyses are required for completion of safety screening. Vapor analyses are required to support core sampling.		1,595	
1130- -	A1	1	This task collects auger samples from tanks. Auger sampling is required to complete safety screening in accordance with DNFSB 93-5.		2,516	
1130- -	A1	1	Provides the programmatic planning, systems engineering and QA support for tank waste characterization. Failure to fund these tasks will eliminate the programmatic support to characterization, including preparation of tank waste analysis plans as required by TPA milestone M-44-00.		1,233	
1130- -	A1	1	Prepares tank characterization reports based on historical data, past sampling data, and current sampling. Failure to fund these tasks would cancel the documentation of tank sampling and analysis activities. (TPA milestones M-44-08 and M-44-09.)		1,776	
1130- -	A1	1	Transfers tank characterization data into the electronic database for routine access. Electronic access to tank data is required by TPA milestones M-44-00 and M-35-00.		780	
1130- -	A1	1	This task collects core samples from non-watch list tanks for safety issue screen. Completion of non-watch list tanks safety screen is required by 10/96, in DNFSB 93-5 recommendation.		21,019	
1130- -	A1	1	Collects tank vapor space samples. Vapor sampling is required to collect data for resolution of safety issues and to assure conditions are suitable for rotary core sampling.		2,810	
1200- -	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to		119	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

Page 5

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification		FY 95	FY 96	Add'l Target

Case: D							
1200- -			establish and update baseline, track status, and measurement performance as requested by DOE orders and good management.				
			Performance Analysis	A1 3		2,739	
1200- -			Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track status, and measurement performance as requested by DOE orders and good management.				
			Program Baseline	A1 3		1,656	
1200- -			Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track status, and measurement performance as requested by DOE orders and good management.				
			Program Planning	A1 3		1,361	
1200- -			Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track status, and measurement performance as requested by DOE orders and good management.				
			Program Status	A1 3		2,137	
1200- -			Capture TWRS requirements and modifications of management systems in order to implement the terms and conditions of the RCRA permit. TWRS specific activities would not be completed and WHC risks non-compliance with the permit (WAC 173-303).	A1 6		970	
1210-3-			Provide retrieval systems for the first 10 DST to be retrieved. Retrieval will support resolution of tank safety issues (first designated tank as 101-SY) provide tank waste feed for ultimate disposal and open tank space to facilitate SST waste transfer (TPA). Unresolved safety issue; delays to SST retrieval and TPA milestones.	A1 1		19,500	
1210-4-			Provide a water sluicing based retrieval system to remove the high-heat generating sludge from Tank C-106 to resolve the associated tank safety issue. Unresolved safety issue; missed TPA milestone M-45-03A.	A1 1		11,900	
2200-0-			Provides waste characterization for retrievably stored and newly generated waste to support waste receipts and retrieval operations/inspection of retrievably stored and new generated waste required for determining the safety of continued storage and compliance with regulations. Includes visual assessment of selected	A1 2		3,794	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED .TY LIST
 BY CASE BY RL
 (D=Decrement, T=Target (Planning))

Page 6

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grnbly	Justifi	ion	FY 95	FY 96	Add'l Target

Case: D							
2200-2-				reactor irradiated nuclear material containers.			
				Provides the facilities to initiate retrieval of the most recently stored suspect transuranic waste. Activities provided at this funding level are the award of the fixed price construction contract and the start of site preparation. Construction engineering and inspection activities will be funded. Preparation of Safety Analysis documentation will be finalized. Equipment development work will commence, but procurement activities will be delayed one year at this funding level. Air and water permits will be completed.		15,889	
3031-1-				Required to provide adequate managerial and financial oversight of the DOE contractors.		25,225	
6631-0-				Required to provide adequate managerial and financial oversight of the DOE contractors.		37,063	
7340-0-AA				Program planning and control/RCRA Monitoring would not exist		1,197	
8400-0-SA				Resolve increasing safety concern in 327 pool from swelled CsCl capsules. If not funded, increased risk of a capsule rupture could contaminate pool and possibly result in loss of 327 facility.		1,279	
8410-0-AA				Resolve major safety concerns. If not funded, would create unacceptable safety risks, and the potential for a release of radioactive material to the environment would increase. (Supplemented by ADS 8400-0-YA.)		10,509	
8410-0-YA				Provides supplemental non-defense funding for ADS 8410-0-AA in Decrement Case only.		238	
103- -				Required to provide adequate managerial and financial oversight of the DOE contractors.		5,703	
1100- -				Supports 242-A evaporator operations. Engineering support required for evaporator operations and maintenance.		4,200	
1100- -				Supports 242-A evaporator operations. Required by WAC 173-303, Dangerous Waste Regulations. Need for operational compliance.		4,200	
1100- -				Required for waste volume reduction. Not operating will impact tank farms ability to accept waste transfers. Will need add'l DSTs to be built.		9,100	
1100- -				Data base for TF surveillance activities. Required TF base safe operations and regulatory compliance.		1,200	
1100- -				Upgrades criticality safety evaluations and fissile material inventories for safe storage and transfers. Without a criticality		300	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 7

Sub	Priority		(\$,000)	(\$,000)	Productivity\	
Ads# Act	RL Grmby	Workscope Desc	Justification	FY 95	FY 96	Add'l Target

Case: D						
			safety program no transfers to tanks can be performed. Upgrades recommended by DOE-HQ.			
1100- -	A2	DNFSB 90-2, Codes and Standards	Implementation required by DNFSB 90-2. DOE-HQ and DNFSB requirement.		1,600	
1100- -	A2	DST Integrity Assessment Program	DST Integrity Assessments regulatory required. WAC 173-303-640, Tank Systems requirement. We are currently out of compliance.		2,800	
1100- -	A2 1	DST Pumping Capabilities	DST emergency pumping program development including equipment, procedures, and training. WAC 173-303 requires emergency pumping corrective actions to commence with 24 hours of discovering a tank leaker.		500	
1100- -	A2	DST/242-A Part B Permits	Responds to the State's expected Notice of Deficiencies comments and addresses issues/concerns relating to permitting. A final facility permit is required by the Tri-Party Agreement and WAC 173-303-800, "Permit Requirements for Dangerous Waste Management Facilities."		1,100	
1100- -	A2	Environmental Compliance	Required for continued tank farm operations. Funding required for maintaining environmental compliance with regulatory requirements.		5,000	
1100- -	A2	LOW Vans and Gamma Leak Detection	Performs vadose zone characterization and surveillances in and around tank farms. Leak detection and plume analysis are regulatory requirements under WAC 173-303.		900	
1100- -	A2 1	Nuclear Safety Oversight	Waste Tank Nuclear Safety assess the overall safety of each facility providing the independent review responsibility. Independent Nuclear Safety Oversight is required by DOE Order 5480.5, "Safety of Nuclear Facilities" and WAC MRP 5.23, "Nuclear Facility Safety."		1,100	
1100- -	A2 1	OSR Implementation	Supports required upgrades (procedures and hardware) needed to fully implement the DST/SST/ANF interim OSRs. Supports continued safe operations in Tank Farms and allows Tank Farms to fully implement the interim OSRs.		6,600	
1100- -	A2 3	Planning and Administration	Provides occurrence reporting, admin support, and the Tank Farms integrated planning function. DOE Order requirements and efficient planning and operation.		2,700	
1100- -	A2 3	Program Element and Baseline Management	Provides programmatic direction and program management support to the N1 program element. Baseline management and planning is required to support continued tank farm safe operations.		2,200	
1100- -	A2 1	Rad/Haz Solid Waste Disposal	Characterizes, packages, and disposes of newly generated radioactive/hazardous solid waste in tank farms. Solid waste characterization and segregation is required by WAC 173-303, "Dangerous Waste Regulations."		7,500	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 8

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: D						
1100- -	A2	1	Completes SST T-111 emergency corrective actions and responds to identified SST leaker. Emergency pumping of an identified SST leaker is required to minimize exposure to the environment. In addition, WAC 173-303 requires the prevention of migration of dangerous waste or dangerous constituents to ground water or surface water, if possible.		300	
1100- -	A2	1	Maintains the emergency pumping capability of SST (i.e., SST Emergency pumping trailer, training, procedures, overground transfers capability, etc.), Emergency pumping of an identified SST leaker is required to minimize exposure to the environment. In addition, WAC 173-303 requires the prevention of migration of dangerous waste or dangerous constituents to ground water or surface water, if possible.		1,200	
1100- -	A2	4	SST pumping for stabilization including preparations for pumping. Includes required operations/maintenance/engineering activities, and KEH farm preparations. Tri-Party Agreement milestone M-41-0, "Complete Single-Shell Tank Interim Stabilization."		5,600	
1100- -	A2	4	SST intrusion prevention is required to prevent liquids from re-entering the tank following stabilization. Tri-Party Agreement milestone M-41-0, "Complete Single Shell Tank Interim Stabilization."		1,000	
1100- -	A2	4	SST pumping for stabilization including preparations for pumping. Field support includes crane and rigging, HPTs, QA/QC, management, etc. Tri-Party Agreement milestone M-41-0, "Complete Single Shell Tank Interim Stabilization."		5,900	
1100- -	A2	1	Safety documentation upgrades continue with DST FSAR/TSRs preparations, revision of DST/AMF/SST interim OSRs and 242-A FSAR update. Upgrade Tank Farms safety documentation to meet requirements of DOE Order 5480.21/22/23. Needed for upgrading the Tank Farms safety envelope.		5,600	
1100- -	A2		Utilities and Services for Tank Farm surveillance/operations. Funding of electricity, steam/water, laundry, and solid waste burials is base safe operations.		11,700	
1100- -	A2	4	Performs facility operations in 200 East/West areas. This includes routing/transfer of low-level waste, sampling, farm control, etc.		20,600	
1100- -	A2	2	Performs industrial hygiene monitoring and analysis of tank farms and personnel for a safe working environment. Regulatory requirement 29 CFR 1910-120, "Hazardous Waste Operations and Emergency Response,"		4,300	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 9

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: D						
1100- -	Tank Farm Plant Cognizant Engineering	A2 1	and OSHA required for worker protection. Performs the System and Process engineering functions in tank farms required for continued safe operations. Engineering support is required for safe operations and maintenance activities in tank farms.		7,300	
1100- -	Tank Farm Plant Operating Procedures	A2 2	Maintains tank farm operational and administrative procedures. DOE Order 5480.19 requires review and/or revision of procedures every two years. A total of 524 procedures, 22 operator round sheets, 14 OSDs, and 14 OSRs will need to be reviewed and/or revised.		2,500	
1100- -	Tank Farm Training	A2 2	Tank Farm training supports base safe operations. includes operator and maintenance training program. Personnel training and qualification is required by WAC 173-303-330, "Personnel Training," which states the facility owner or operation shall provide a program of classroom instruction or on-the-job training for facility personnel. In addition, DOE Order 5480.20 mandates a formal training program.		6,600	
1100- -	Tank Farms Coorrective/Preventive Maintenance	A2 1	Performs corrective/preventive maintenance to maintain a safe operating configuration in tank farms. Maintenance is required for base safe operations and is a regulatory requirement.		24,300	
1120-0-	Configuration Management	A2 1	System P&IDs, Component Labeling, and Master Equipment List (MEL) for all tank farms. Implement CM plan. Implement Design Base Document Reconstitution program.		1,500	
1120-0-	DST Qualification Life Extension	A2 4	TPA M-32. Provide the strategy to manage the Hanford waste tank system facilities and establish the service life of the facility systems, structures, and components. Service life of existing DSTs will expire without justification to continue use. Actual service life will not be managed and maximized.		1,100	
1120-0-	Field Verify Essential Drawings	A2 1	Safety Initiative # 4c42. CAD covert, field verify and release all remaining essential and support drawings for tank farms. Continue without field verified drawings. Safety impact with drawings not verified to actual field configuration. Drawings unreliable for planning and operations.		2,100	
1120-0-	Resolve Site Electrical Assessment (Safety) Issues	A2 1	Correct remaining identified Site Electrical Assessment code deficiencies and future discovered deficiencies. DOE Order 6430.1A, General Design Criteria. Work with know electrical deficiencies. Provide the evaluations of power distribution system at the Tank		2,100	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

Sub

Ads# Act

Workscope Desc

Priority

RL Grmbly

Justification

(\$,000)

FY 95

(\$,000)

FY 96

Productivity\

Add'l Target

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 10

Case: D

Case	Sub	Workscope Desc	Priority	RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
1120-0-		Systems Engineering	A2	3		Farms required for compliance with DOE order 6430.1A. DOE Order 4700.1, DNFSB Recommendation 92-4, Grumbly Safety Initiative. System Engineering Requirements/Trade studies would be delayed or not met.		200	
1120-0-		Technical Integration and Planning	A2	3		Provide programmatic technical integration, planning, reporting, control, and management. Resources would be inadequate to effectively manage and direct the Upgrades Program activities.		2,000	
1120-6-		W-314A Integrated Instrumentation Upgrade	A2	1		Full scope upgrade of the instrumentation system, the supervisory control and data acquisition system for 177 tanks in tank farms. Delay of evaluation of current instrumentation and related equipment and integration with ongoing near-term upgrades and projects. High maintenance of inadequate and unreliable instrumentation. Higher operating costs and inefficiencies without centralized control.		19,800	
1120-6-		W-314B DST Ventilation Upgrade	A2	1		Upgrade ventilation system of 28 DSTs to ensure that radionuclide and hazardous content of the exhaust vapors do not exceed regulatory limits. Delay in the evaluation of the condition of all DST primary and annulus ventilation systems and replacement/upgrade as required in support of the TPA. High maintenance and continued regulatory non-compliance.		3,000	
1120-6-		W-314D Electrical System Upgrades	A2	1		Upgrade power distribution system beyond the incoming switchgear. Delay in upgrade of power distribution system in support of TPA. Outdated motor control centers, power cables, and junction boxes will continue to be used and maintained with electrical safety risk.		2,100	
1130-	-	Develop Analytical Procedures	A2			Provides new laboratory procedures for Hanford laboratories. Individual new capabilities are based on DQO requirements.		1,976	
1130-	-	Develop Hot Cell Analytical Instrumentation	A2			Provides new laboratory methods (hardware and software). Individual new capabilities are based on DQO requirements.		7,643	
1130-	-	Develop In-situ Characterization Methods	A2			Provides capabilities for in-tank measurements. Individual new capabilities are based on DQO requirements. This task includes DNFSB 93-04 commitment 3.13.		4,100	
1130-	-	Improve Field Sampling Methods	A2			Expands field sampling capabilities and improves recoverability of sample. Individual new capabilities are based on DQO requirements. This task includes DNFSB 93-05 commitment 3.16.		4,000	
1130-	-	Integration/Transfer Technology to Labs	A2			Identifies technology development needs and transfers new capabilities to routine use. Individual new capabilities are based on DQO requirements.		3,200	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 11

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	Justification		FY 95	FY 96	Add'l Target

Case: D							
1130- -	A2 4	Maintain 222-S lab readiness	Maintains the lab support facilities and personnel to be ready to analyze TWRS tank samples. Failure to fund this task will impede the ability to provide basic lab analysis for TWRS.			5,631	
1130- -	A2 4	Upgrade 222-S and 325 Labs	This task improves lab capabilities to meet TWRS needs. Hotcell upgrades are needed to meet characterization requirements.			3,977	
1210-0-	A2 3	Program Definition, Planning, and Integration	Provide program management, integration, baseline planning, budgeting and controls for retrieval technology, engineering, projects, and operations. Provides functional and technical requirements for the program. Provides for program interface, including regulators and stakeholders.			2,200	
2200-0-	A2 2	Minimum Case Solid Waste Operations	Minimum case funding to maintain safe and regulatory compliant conditions to accept, store, and dispose of Solid Waste in compliance with RCRA Part B Permits for Solid Waste storage and disposal facilities:			18,644	
2200-0-	A2 3	Program Planning and Estimating	Required to maintain safe configuration of facilities and provide Fiscal Year and Multi-Year Plans, ADS, SMS, PTS, and Program Planning.			6,767	
2200-0-	A2 2	Solid Waste Safety Analysis Reports	Maintain safe configuration of facilities by developing and maintaining Safety Analysis Reports and other hazard analyses.			3,183	
2200-0-	A2 2	Special Waste Cask Storage	This activity supports resolution of a safety issue and cleanout of the 300 Area hot cells which are needed to support TPA milestones M-10 and M-30-00. Assumes generators procure storage casks as needed.			773	
2320-0-	A2 2	a-WDS Safety Assurance	Continue correction of safety deficiencies for minimum safe status of facilities, continue facility training, update SARs, update and develop plant specific procedures, engineering/projects support to eliminate unsafe conditions and enhance facility safety, conduct of operations, routines/surveillances, radiological zone reduction, monitoring and operation of the PWR Core II spent nuclear fuel pool. Replace failed equipment and miscellaneous materials. (Continuous Air Monitors, Personnel Contamination Monitors, generators.) Upgrade the T Plant electrical system.			12,412	
2320-0-	A2 2	b-T Plant Maintenance and Assessments	Perform preventive maintenance, safety equipment calibration, winterization/summerization, critical repairs, maintenance engineering, and Job Control System for the minimum safe status of facilities. Target and decrement funding do not allow for increases			13,019	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)
FY 95(\$,000)
FY 96Productivity\
Add'l Target

Case: D

Ads#	Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
2320-0-		c-T Plant Maintenance and Assessments (Waste Disposal and Compliance)	A2 2	in utilities: steam, electricity, water, laundry, electric maintenance. Upgrade the T Plant control room. Provide environmental engineering and compliance support in repackaging, treatment/repair, receiving and shipping of wastes/equipment. Supports TPA milestones M-17-41 and M-17-42, which direct the discharge of liquid effluents to T Plant ditches be stopped, and M-20-51 for the submittal of T Plant's Part B permit application to Ecology and EPA. Target and decrement funding do not allow for projected increases in waste volume and in waste disposal rates.		4,140	
2320-0-		d-Liquid Waste Transfers	A2 1	Maintain and certify Liquid Waste Tank Cars (LWTCs). The LWTCs are the primary liquid waste transfer system for T Plant, the 340 Facility, and the 400 Area. 300 Area liquid waste is generated by PNL that performs sampling and testing activities of Tank Farms' liquid waste, supporting Tank Farms' TPA milestone M-44. The LWTCs also serve as backup for other Hanford site facilities whose primary liquid waste transfer system is hard piping. Target and decrement funding do not allow for possible increases in rail and track fees.		501	
2320-0-		e-Decontamination/Repair Services	A2 2	Unable to provide decontamination and repair services for the Hanford site and treatment services essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its Long Length Contaminated Equipment (LLCE). The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste "nonrepairable/nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA, to be		472	
2320-0-		e-Decontamination/Repair Services	A2 2	Unable to provide decontamination and repair services for the Hanford site and treatment services essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its Long Length Contaminated Equipment (LLCE). The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste "nonrepairable/		111	

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 13

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	FY 95	FY 96	Add'l Target

Case: D					
2320-0-	f-Applied Technology and Equipment	A2 5		547	
		nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA, to be Procure and install containment systems and hazardous storage units to support decontamination activities.			
3010- -	RARA - Decon. Stabilization	A2 1		3,031	
		Stabilize waste sites in order to prevent migration of radionuclide contamination (ALARA). Project completion planned FY 1997.			
3010- -	RARA S&M w/Herb application	A2 1		4,396	
		Control deep-rooted weed growth (i.e., sagebrush) and other unwanted vegetation (i.e., tumbleweeds) to prevent surface soil contamination.			
3500- -	Asbestos Abatement	A2 1		3,203	
		Provide safe work environment by eliminating ACM exposure. Completion of all know high-priority sites (A/B) planned FY 1998 per NESHAP.			
3510- -	100 Area Common Act--Assessment	A2 1		6,566	
		Conduct S&M and Risk Assessment/Corrective Maintenance per DOE Order 5820.2A. Completion of all know high risk sites planned FY 1997.			
3520- -	232-Z/233-S Decon	A2 2		1,825	
		Remove contaminated equipment and Plutonium inventories. Facilities show extreme deterioration.			
3520- -	D&D S&M - 200 Areas	A2 1		3,920	
		Conduct S&M until final decommission of 200 Area facilities ensuring worker safety and health per DOE 5820.2A.			
3600- -	N Reactor	A2 1		28,854	
4110-0-	Applied Technology	A2		239	
		Ensure that appropriate decisions about applicable technologies are made and that defensible technology solutions are developed that are directly coupled to the SNF project needs. Significant reduction will severely impact the ability of Applied Technology group to meet its commitments. Technology needs are defined during the systems engineering analysis. Specifically treatment of basin water to remove tritium and technology development of a sludge retrieval/removal system will be delayed. These delays will impact reduction of personnel exposure and potentially add add'l insul to the environment due to basin leakage. This could also impact the			
4110-0-	Applied Technology	A2		1,761	**
		Ensure that appropriate decisions about applicable technologies are made and that defensible technology solutions are developed that are directly coupled to the SNF project needs. Significant reduction will severely impact the ability of Applied Technology group to meet its commitments. Technology needs are defined during the systems engineering analysis. Specifically treatment of basin water to remove tritium and technology development of a sludge retrieval/removal system will be delayed. These delays will impact			

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 14

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target

Case: D						
4110-0-		Engineering and Systems Integration	A2		7,300	
			reduction of personnel exposure and potentially add add'l insutel to the environment due to basin leakage. This could also impact the Establish technical baselines, produce systems, processes, and analyses which enable construction of facilities and physical remediation of spend nuclear fuels and their current facilities for the Hanford site. Would not be able to complete the characterization activities to support the schedule for removal of fuel and sludge from the K basins. This impacts TPA milestone M-33 which requires an agreed upon plan by 1996 for the removal of fuel by 2002. There would also be a delay of engineering necessary to provide consolidated interim storage and disposition of non K basin fuel.			
4110-0-		K Basins Operations	A2 2		30,626	
			The preconceptual engineering studies supporting the FY 1997 Line If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include: plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and security.			
4110-0-		PNL Support for Fuel Characterization and EIS	A2		6,600	
			Support fuel characterization for the M Reactor and other Hanford fuels for the disposition of the fuel. Also included is support for the EIS preparation. Provide support necessary to meet TPA milestones for Characterization, EIS, and disposition of the fuel.			
4110-0-		Project Baseline Control	A2		1,500	
			Impacts ability to establish and maintain credible budget baseline and Project Control/reporting requirements. Also impacts outyear forecasting.			
4110-0-		Regulatory Integration and Public Involvement	A2		1,200	**
			Funding is needed to provide for the Public Involvement activities and Regulatory and Safety basins for current and future spent fuel disposition alternatives.			
4110-0-		Spent Nuclear Fuel Projects	A2		1,500	
			This funding is needed to begin urgent upgrades to K Basin water supply, electrical dist., and fire protection system.			
4190-0-		B Plant Operations	A2 2		30,296	
			If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include managment, systems surveillance and mainteance, engineering, health and safety, assessments, and security.			
4195-0-		Cesium Capsule Recovery Program Support	A2 2		1,262	
			If unfunded, program management and technical support for cesium capsule program would be eliminated. Surveillance of cesium capsules stored at PNL would not be provided. FSAR requirements for surveillance of the capsules would not be met.			

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 15

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	Workscope Desc	RL	Grnbly	Justification	FY 95	FY 96	Add'l Target

Case: D							
6603-0-	DOE-RL Field Support	A2	3	Human radiation test/declassification effort		4,000	**
6603-0-	DOE-RL Field Support	A2	3	Human radiation test/declassification effort		35,488	
6620-0-	Facility Operations Program and Environmental Management	A2	3	If not funded, Program Management and financial management staff required for current outyear planning, control and reporting would be eliminated. Also eliminates program operations and maintenance improvements support, non-plant specific safeguards and security, and EM-60 off-site representative.		6,020	
6622-0-	PUREX Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.		33,354	
6623-0-	300 Area Fuels Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.		3,926	
6624-0-	PF Plant Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.		65,939	
6624-0-	Pre-Stabilization Safe Standby Activities	A2	2	The PFP is not in a viable condition to be put in a long-term/permanent safe standby mode. Until all nuclear materials are stabilized and vaulted, PFP is required by Nuclear Material Accountability and DOE Order Compliance to safely "care for" all SNM in the plant. If not funded, an unacceptable risk would remain for the plant personnel and the public. As the systems and equipment of the PFP continue to deteriorate and age these needs are exacerbated.		3,372	
6640- -	FFTF Base (minsafe)	A2	2	Safe facility requirements not achieved		29,000	
6640- -	FFTF CENTRC (minsafe)	A2	2	Safe facility requirements not achieved		200	
6640- -	FFTF SAS (minsafe)	A2	2	Safe facility requirements not achieved		2,100	
6640- -	FFTF Shutdown Project Office A/B	A2	2	Direction and coordination of shutdown effort not provided.		900	
6641- -	308 Bldg O&M	A2	2	Delays 308 bldg closure		600	
6660-0-	Program Integration--Landlord Program Management, Project Management, and Project Control	A2	3	Required by the Defense Authorization Act to prepare the FYP document. Contractors are required by RL to prepare an MYPP per RLIP 5000.2, Long Range Planning Process. DOE 4700.1 Proj. Mgmt. Sys. Chapter 3, Part A, Baseline Management, requires preparation of a baseline document, i.e., FYWP. SMS and PTS reporting are required by		1,892	

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	FY 95	FY 96	Add'l Target

Case: D					
		RL and DOE-HQ. Change control is a requirement of DOE 4700.1. The benefits to the program of performing these planning, control, and reporting activities include being able to develop scope and schedule.			
6660-0-	A2 3	Program Integration-Site Planning		1,815	
		If funding is cut or eliminated, all the tasks associated with maintaining safe land use and infrastructure conditions on the Site would be abandoned. A very high potential for TPA impacts would exist as land use and site selection controls would be abandoned. life cycle planning for old and deteriorating infrastructure systems would be impossible and no follow through on the Infrastructure Transisiton Initiative strategies would occur.			
6665-0-	A2 2	General Purpose Facilities Roof and HVAC replacements		1,574	
		Most of Hanford general purpose facilities are over 30 years old. The roofs HVAC equipment of these facilities have long outlived their useful life. Roof leaks have resulted in structural damage causing unsafe conditions. leaks also impede activities conducted in the facilities including damaging equipment. Failed/inadequate HVAC results in inhabitable facilities and damage to sensitive electronic equipment. The older HVAC systems were never intended to meet today's requirements. 15 small roofs totaling aprx. 40,000 sq.ft. will be replaced. Two HVAC systems will also be replaced and surveillance and maintenance conducted on abandoned buildings.			
6670-0-	A2 2	Capital Equipment - Project identification and scoping		108	
		The benefits to the program of this activity are the development of schedule and technical scope, coordination of the Capital Equipment Review Board meeting, and monitoring performance to assure completion of workscope and reduction of uncostered/uncommitted balances.			
6670-0-	A2 2	Capital Equipment - various commitments/priorities		5,916	
		A2--Vehicle CAD computer system to improve safe response for firefighters and personnel in emergency situations. Upgrade Monorail System for Water System to original 6-ton as built. B1--TPA M-32-02, item d, Digital Site GIS Base Map Collection; C2-- Telecommunications spares for maintenance of system, HEHF/PNL equipment; D1--test equipment to support telecommunications maintenance; E1--replace obsolete shop equipment; F1--CAD Workstations and Engineering Analysis Workstation for support to engineering analysis model development, i.e., support structural analysis, accident scenarios.			
6680-0-	A2 2	Proposed Line Items (FY 1997 -		81	
		Decrement case only supports one of the four identified FY 1997 line			

4/19/94

9:54 am

Table: Pri96.db

Report: #1

Sub

Ads# Act

Workscope Desc

Priority

RL Grmbly

Justification

(\$,000)

FY 95

(\$,000)

FY 96

Productivity\

Add'l Target

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 17

Case: D

Case	Sub	Workscope Desc	Priority	RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
		1998)				items. Will not support any FY 1998 line items.			
7100-0-	a-	222S Facility Operations	A2		1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the 222-S Laboratory Facility Complex to keep the facility in a ready-to-serve mode.		25,605	
7100-0-	b-	325 Facility Operations	A2		1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the 325 Laboratory Facility Complex to keep the facility in a ready-to-serve mode.		11,500	
7100-0-	c-	WSCF Operations	A2		1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the WSCF Complex to keep the facility in a ready-to-serve mode.		10,200	
7100-0-	d-	Facility Operations	A2		1	Assessment to the TWRS program to support base operations.		(5,000)	
7100-0-	e-	Facility CENRTC	A2		1	Capitall equipment required to replace existing and obsolete equipment to support the ready-to-serve configuration.		3,800	
7100-0-	f-	Program Integration	A2		3	Supports Hanford Analytical Services program management and integration, and Quality Assurance.		3,404	
7100-0-	g-	Auxiliary Labs	A2		1	Provides for the routine operation, maintenance, and repair of the 2703E and 1706KE Laboratories in a ready to serve mode.		1,130	
7100-0-	h-	Field Analytical Services	A2		1	This activity provides minimal base funding for the sample and mobile laboratories.		200	
7340-0-BA		Environmental Effluents (HPTs)	A2		2	Clean Air Act, 40CDR61/Unmonitored gaseous emissions		1,084	
7340-0-BA		Environmental Surveillance-Stabilized Sites	A2		2	Ensure containment of contamination/Increase risk of contamination		1,049	
7360-	-	Process Spares	A2			Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.		364	
8400-0-DA		Waste Management Operations	A2		2	Regulatory requirement to manage PNL hazardous and radioactive wastes. If not funded, fines may result for violations of numerous environmental and safety regulations.		3,907	
8400-0-FA		242B/BL & 2718E PNL Lab Surveillance and Maintenance	A2		2	Regulatory requirement for regular inspections to maintain safe storage of unmanned, contaminated lab spaces. If not funded, would increase safety risks to an unacceptable level.		92	
8400-0-MA		Effluent monitoring	A2		2	Regulatory requirement for monitoring PNL air and liquid effluent streams to verify compliance. Includes effluent path verification, stream characterization, sample collection and analyses, mobile field		3,513	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 18

Sub	Priority						
Ads# Act	Workscope Desc	RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: D							
8400-0-NA	Essential ES&H drawings	A2	2	monitoring, and operation and maintenance of sampling/monitoring systems. If not funded, fines may result for violations of environmental laws and facilities may be forced into shutdown. Provides as-built drawings for the Hazard Class II Buildings safety systems modifications and investigations of occurrences. If not funded, health and safety hazards in the facility will not be corrected adequately.		854	
8400-0-TA	324 Bldg Hot Cell Facility Surveillance and Maintenance	A2	2	Regulatory requirement for regular inspection of radioactive materials and safety systems. If not funded, significant worker safety issues and the potential for a release of radioactive material to the environment would increase.		2,820	
1100- -	Issues/Corrective Action Management	B1	2	Facilitates corrective action management for TWRS on existing and emerging safety, environmental protection, and conduct of operations conditions. Required in order to perform risk evaluations, root cause analysis, performance evaluations, and issue closures.		1,800	
1100- -	QA/QC	B1	1	Provides environmental safety, health, and quality assurance support to routine tank farm operations and maintenance activities. DOE Order 5480.1B requirement which establishes the environmental protection, safety, and health programs (ES&H) requires quality assurance and control functions.		2,000	
1100- -	Tank Farm Security	B1	1	Administers physical and industrial security measures supporting the Tank Farm complexes. Security requirements per DOE-M-30.3A. In addition, WAC 173-303-310, "Security," requires control access and monitoring.		400	
1120-2-	W-030 AY/AZ Primary Ventilation	B1	1	Replace primary ventilation system for AY/AZ tank farms in compliance with TPA milestone M-34-01. Operate systems and components which have exceeded their design life. Failure to comply with congressionally directed DOE plan to discontinue disposal of contaminated liquids to soil column (processing cooling water).		1,500	
1120-4-	W-058 Cross Site Transfer System	B1	1	Provide encased pipelines to connect the SY Tank Farm, 200 W, to the 200 E tank farms in compliance with current codes and regulations. Operate existing system which does not conform to all current regulatory requirements and has a questionable life.		18,300	
1120-6-	W-314C Waste Transfer Lines	B1	1	Upgrade inter-area waste transfer system to ensure compliance with RCRA and WAC leak detection requirements. Delay in completion of compliant transfer lines and integration with the future cross-site		1,800	

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmby	Workscope Desc	FY 95	FY 96	Add'l Target

Case: D					
		transfer system.			
1120-7-	B1 4	W-028 Aging Waste Transfer Line		600	
		Required to provide a reliable long-term high heat liquid waste transfer sytem from B Plant to treatment facilities. The existing waste transfer system is not in compliance with 40 CFR 264 and current DOE orders. Continued use of the present system could result in potential safety and health hazards during pretreatment and removal of B Plant waste.			
1130- -	B1 4	Analyze Supernate Sample (DST Part B Permit)		4,301	
		This task analyzes DST supernate samples. Supernate analysis are required for the RCRA part B permit approval.			
1130- -	B1 4	Analyze Supernate Sample for SST Stabilization and 242-A Evaporator Operation		2,300	
		This task analyzes supernate samples. Supernate analysis are required to support 242-A evaporator operation and SST stabilization.			
1130- -	B1 4	Sample supernate to support RCRA and process DST requirements		2,341	
		Collects samples of double-shell tank supernate. The hazardous waste permit specifies sampling requirements. Add'l samples are required to support 242-A evaporator operations.			
1200- -	B1 3	Business management		1,786	
		Prepare TWRS Master Site Plan based on known conformation or best assumptions from individual projects. Provide minimum business management for all TWRS projects. Increased cost in TWRS projects due to duplication and mismatches and non-compliance with DOE 4700.1.			
1200- -	B1 2	Compliance Coordination		301	
		Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.			
1200- -	B1 2	Define Compliance Requirements		160	
		Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.			
1200- -	B1 2	Establish Requirements Envelope		510	
		Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement			

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 20

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	FY 95	FY 96	Add'l Target

Case: D					
1200- -	B1 6	Mapping and Marking		852	
which will result in fines and other non-compliance actions.					
Mapping of underground lines carrying dangerous waste is required by the Dangerous Waste Permit. Lines outside of Tank Farms will not be marked placing WHC in violation of Permit and subject to fines.					
1200- -	B1 5	Program Management and Support		3,345	
Essential program management of TD and overall integration of technology needs; supports, TDPO to manage the TWRS integrated technology planning and technology groups in TWRS functional areas. Without coordination and planning, technology development will increase in cost and fail to meet the needs of the TWRS program. Lack of commercial and academic sources built subject the program to further criticism for lack of participation.					
1200- -	B1 5	Program Planning		6,158	
Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.					
1200- -	B1 5	Self Assessment Program		327	
Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the environmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.					
1200- -	B1 3	Site Integration		1,033	
Prepare TWRS Master Site Plan based on known conformation or best assumptions from individual projects. Provide minimum business management for all TWRS projects. Increased cost in TWRS projects due to duplication and mismatches and non-compliance with DOE 4700.1.					
1200- -	B1 5	System Engineering Tools		457	
Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding lievel could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by					

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 21

Sub	Priority		(\$,000)	(\$,000)	Productivity\	
Ads# Act	Workscope Desc	RL Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: D						
1200- -	Systems Engineering Management Plan	B1 5	DOE and WHC will not be met. Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.		552	
1200- -	Systems Engineering Management Plan	B1 5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.		489	
1200- -	TWRS EIS	B1	The ROD is required to start design for pretreatment, LLW, and HLW facilities. Delaying preparation will cause delays in initiating design of the 3 plants (TPA milestones) and related follow-on milestones.		5,266	
1200- -	Technology Development and Program Office	B1 5	Essential program management of TD and overall integration of technology needs; supports, TDPO to manage the TWRS integrated technology planning and technology groups in TWRS functional areas. Without coordination and planning, technology development will increase in cost and fail to meet the needs of the TWRS program. Lack of commercial and academic sources built subject the program to further criticism for lack of participation.		2,554	
1200- -	Test/Evaluation Management	B1 5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.		95	

Sub	Priority					(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmblly	Just				FY 95	FY 96	Add'l Target

Case: D								
1200- -	Total Quality Management	B1 2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.				652	
1210-0-	Define Arm-Based SST WR Project	B1 3	Define and establish the first arm based retrieval project engineering trade studies necessary to bound project scope, establish functional requirements, complete the engineering study and project documentation necessary to obtain key decision 0. If not funded, may delay TPA milestone M-45-03.				1,800	
1210-0-	Prepare Closure Reg. Requirements Assessment	B1 6	Prepare analysis of federal and state regulation to identify issues relating to closure of SSTs. Update SST closure work plan. Delays TPA milestone M-45-06.				800	
1220- -	Conduct System Engineering and Trade Studies (Part III)	B1 4	Needed to provide a final design description with sufficient detail to provide a firm technical basis for follow-on design activities. Delays start of design activities for LLW and HLW pretreatment facilities, as well as enhanced sludge washing.				1,837	
1220- -	Define F&R for HLW Pretreatment Facility	B1 4	Needed to support waste treatment prior to processing LLW pretreatment facility. Adversely impacts TPA milestone M-50-01T01 in FY95 and potentially delays LLW processing; ineffective cesium removal also increases the need for shielding in the LLW vitrification plant.				3,100	
1220- -	Define F&R for HLW pretreatment facility	B1 4	Needed to provide engineering support during the conceptual and advanced conceptual phases of HLW pretreatment facility(ies) design. Lack of function and requirements would delay the initiation of design activities.				441	
1220- -	Define F&R for LLW Pretreatment Facility (Part III)	B1 4	To provide FDC documents necessary to initiate projects. Function and Requirements would not be available for the initiation of design activities.				617	
1220- -	Develop Flowsheets and Applied Tech. Evaluation (B)	B1 4	Needed to support effort to determine whether advanced sludge seperation processes are required, M-50-03. Jeopardizes completion of TPA milestone and delays or creates great uncertainty for the LLW/HLW pretreatment plants and possibly LLW/HLW vitrification plants.				1,834	
1220- -	Perform Technical Integration and	B1 3	Provide program oversight and integrate pretreatment activity				2,984	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 23

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	FY 95	FY 96	Add'l Target

Case: D					
		Planning			
1220- -	B1 4	Prepare Advanced Conceptual Design (ACDR)-LLW		3,000	
1220- -	B1 4	Prepare Title 1 - LLW Mod 1		11,421	
1230- -	B1 4	Disposal Systems		1,200	
1230- -	B1 1	Grout Facilities		700	
1230- -	B1 5	Integrated Process Systems		1,800	
1230- -	B1 5	Matl. Properties Handbook Database		100	
1230- -	B1 5	Melter Technology Selection		3,600	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 24

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	FY 95	FY 96	Add'l Target

Case: D					
		technology for the vitrification of LLW. Will not meet the TPA milestones for melter testing and selection of a melter system. This impacts the selection of 1996 of vitrification which impacts start of design construction, permitting. The impact would be a day-and-one-half-day-for-day delay.			
1230- -	B1 5	Misc. Technology Studies		1,000	
		Development of handling techniques for vitrified product, waste form placement and etc. Where an engineering solution is not apparent, development of new technology will be developed. Impact would not allow looking at and evaluating privatization proposals, evaluations of activities by other sites re DOE that could be used by LLW. Impact would be an increased risk that items mentioned would not be resolved in a timely manner.			
1230- -	B1 4	NEPA Documentation		300	
		Support preparation of the data packages going to TWRS EIS contractor. Completion of the data packages is necessary for the EIS contractor to complete the EIS and calculate impacts of the TWRS program to the public. The EIS is on the critical path for the LLW program. Lack of funding for those critical path activity will have negative schedule impact upon the LLW disposal program essentially day for day.			
1230- -	B1 4	Non-Vitrifiable LLW Systems		2,100	
		Results in the information required to generate the basis for stabilization, treatment, and disposal of these non-vitrifiable products. Impact delays identification of technologies to handle waste streams that will not be captured in the LLW glass. Such as off-gas HEPA filters.			
1230- -	B1 4	Packaging Materials and Characterization		1,900	
		Ensure that vitrified LLW and waste packaging materials are compatible and all LLW PA requirements are met. Develop glass quality requirements. Impacts to funding would delay construction and design of disposal/storage facility by 3-5 years if we do not determine up front the proper type of matrix materials, characteristics of glass and matrix material to meet long term disposal. Will impact approval of PA.			
1230- -	B1 4	Perform engineering studies, Select baseline		700	
		This activity evaluates potential sites for locating the process and storage/disposal facilities for LLW vitrification in the 200 Areas. Site selection is required to initiate the project. Lack of FY95 and FY96 would prevent issuance of the site selection report and would result in a day-for-day delay.			

4/19/94

9:54 am

Table: Pri96.db

Report: #1

Sub

Ads# Act

Workscope Desc

Priority

RL Grmby

Justification

(\$,000)

FY 95

(\$,000)

FY 96

Productivity\

Add'l Target

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 25

Case: D

Case: D	Sub	Workscope Desc	Priority	RL	Grmby	Justification	(\$,000)	(\$,000)	Productivity\
Ads#	Act						FY 95	FY 96	Add'l Target
1230-	-	Permitting	B1	4	Development of Part A, initiate Part B, and other related and required permits supporting design and construction activities. Programmatic technical risk and delays to construction TPA milestone.			400	
1230-	-	Pilot scale vitrification	B1	5	Design and fabricate LLW pilot scale vitrification system which is capable to being fed radioactive material. This system will be utilized in glass formulation verification. The pilot plant will be designed with the capability to process radioactive waste should the A/E deem that necessary. Impacts of funding cuts in FY 95 and FY 96 would delay design and construction of facility based on strategy of having the AE/contractor build a pilot plant if necessary. Pilot plants are thought to be critical to the success of the facility.			2,100	
1230-	-	Prepare Process Flowsheets	B1	4	Prepares LLW process flowsheets. This activity includes material balances, process description, assumptions, and rationales. This activity provides the technical basis for facility equipment, interfaces (utilities, process pipelines, etc.) and sizing. Failure to fund this activity in FY 95 and FY 96 would increase costs to the A/E in design, where this activity would need to be done. Lack of flowsheets would also increase risk of properly managed TWRS interfaces.			100	
1230-	-	Product Quality Acceptance	B1	5	This will define vitrification product quality criteria. This would delay how we monitor the waste form and disposal system, delaying the Part B permit.			1,200	
1230-	-	Safety Documentation	B1	4	Prepare Hazard Classifications for the preconceptual design activities in FY 95 and FY96. Lack of funding will place the program at technical risk for the future levels of design, validation, and safety implementation required of the program for startup.			100	
1230-	-	Simulant Development	B1	5	Definition of LLW vitrification feed specs. Develop and procure simulant for melter technology testing. The simulant development directly supports melter testing and delaying simulant delays testing of melters. Minimum of a day-for-day delay.			500	
1230-	-	Vitrification oversight/planning	B1	3	Provide management technical direction for all technically related activities (melters, simulants, formulation, pilot plant, etc.). This is an account for the technology group to provide support to the program office. Impacts would be slow down planning, administrative activities, and implementation of technology strategy.			300	
1280-	-	Construct 6 New Tanks	B1	1				110,000	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 26

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target
Case: D						
2200-0-	B1 6	Solid Waste Permitting and Closures	This activity includes approval and maintenance of five Part B Permits and initiation of LLBG Closure.		4,125	
2200-1-	B1 2	Enhanced RMW Storage-Phase V (W-112)	This project provides add'l RCRA compliant mix.waste storage capacity, including utilities and office/maintenance areas, support the SW operations complex. Activities provided are capital construction of storage buildings, capital procurement of automated systems, and construction start of the shipping/receiving area and transfer corridor. Facility SAR, Part B permit, and equipment development would will continue.		8,894	
2220-1-	B1 2	WRAP 1 (W-026)	Provides facilities to characterize (sample) and repackage low-level mixed waste and suspect transuranic waste. Funding at the Decrement case results in completion construction of this facility to satisfy TPA milestone M-18-01. Startup activities will be phased such the low-level waste line is operational to meet the TPA. This activity provides minimum required funding to continue startup preparations including operations procedure preparation, maintenance procedure preparation, ATPs review, preparation of OTPs preparation of environmental procedures and plans to meet Part B requirements, facility construction review, continue preparation of Personnel		9,350	
2220-1-	B1 2	WRAP 1 (W-026)	Provides facilities to characterize (sample) and repackage low-level mixed waste and suspect transuranic waste. Funding at the Decrement case results in completion construction of this facility to satisfy TPA milestone M-18-01. Startup activities will be phased such the low-level waste line is operational to meet the TPA. This activity provides minimum required funding to continue startup preparations including operations procedure preparation, maintenance procedure preparation, ATPs review, preparation of OTPs preparation of environmental procedures and plans to meet Part B requirements, facility construction review, continue preparation of Personnel		1,616	
2300-0-	B1 1	200 Area ETF Operations	Provides for LERF, ETF, and TEDF Operations. Includes full WSCF lab support. Impacts: TPA M-17 and M-26 milestones are missed and 242-A Evaporator is shut down which impacts numerous TWRS milestones.		7,500	
2300-0-	B1 1	200 Area ETF Operations	Provides for LERF, ETF, and TEDF Operations. Includes full WSCF lab support. Impacts: TPA M-17 and M-26 milestones are missed and 242-A Evaporator is shut down which impacts numerous TWRS milestones.		21,972	
2300-0-	B1 5	200 Area Systems Engineering-	Evaluates tritium removal technology and prepares yearly status		137	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: D						
2300-0-	B1	1	report. Impacts: TPA M-26-05 milestone would be missed. Provides compliant operations of 300 Area TEDF, 340 Facility and 307 Basins. Includes System Engineering study on secondary waste minimization (\$209k). Impact: Failure to operate would cause closure of 300 Area facilities, including labs and delay TWRS TPA milestones associated with core sampling analysis and tank safety investigations.		11,801	
2300-0-	B1	2	Provides for engineering to support FY 97 Line Item for replacement of the 300 Area Radiation Process Sewer and 340 Facility. Impacts: Non-compliance with WAC/RCRA for tank systems secondary containment and leak detection requirements. Possible fines or shutdown causing closure of 300 Area facilities including labs and delaying TWRS TPA milestones associated with core sampling and safety investigations.		114	
2300-0-	B1	3	Provides the planning, budgeting, statusing, performance monitoring, customer interface, and program direction for the Liquid Effluents Program. Impacts: TPA M-17 and Consent Order DE-91NM-177 milestones missed and TPA Article XLVIII, paragraphs 138/139 Cost, Schedule, and Scope Planning and Reporting not supported.		600	
2300-0-	B1	3	Provides the planning, budgeting, statusing, performance monitoring, customer interface, and program direction for the Liquid Effluents Program. Impacts: TPA M-17 and Consent Order DE-91NM-177 milestones missed and TPA Article XLVIII, paragraphs 138/139 Cost, Schedule, and Scope Planning and Reporting not supported.		927	
2300-1-	B1	5	Continues project support and provides partial funding for construction of Phase II streams BAT/AKART implementation for Tank Farms, B-Plant, and 2B4-E Powerplant to meet Oct 97 M-17 milestone. Impact: TPA M-17-00B milestone would be missed.		12,592	**
2320-2-	B1	2	Initiate Advanced CDR, Definitive Design and permitting. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.		2,362	
2320-2-	B1	2	Initiate Advanced CDR. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the		178	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 28

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmblly	Workscope Desc	FY 95	FY 96	Add'l Target
Case: D					
		Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.			
3100- -	B1 1	100-DR-1 Remediation		3,308	
3100- -	B1 1	100-DR-2 Assessment		97	
3105- -	B1 1	100-BC-1 Remediation		9,235	
3105- -	B1 1	100-BC-2 Assessment		71	
3105- -	B1 1	100-BC-2 Remediation		935	
3105- -	B1 1	100-BC-5 Remediation		250	
3110- -	B1 1	100-KR-4 Remediation		229	
3115- -	B1 1	100-FR-3 Remediation		229	
3120- -	B1 1	100 NPL Common Activities		3,123	
3120- -	B1 1	100-NR-1 Remediation		3,320	
		Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.			
3120- -	B1 1	100-NR-2 Remediation		248	
3120- -	B1 1	100-NR-3 Remediation		3,116	
3125- -	B1 1	100-NR-1 Assessment		113	
3125- -	B1 1	N Springs (100-NR-2)		1,275	
3200- -	B1 1	200-BP-5 Assessment		190	
		Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 8/31/94. Continue operation/expanding systems (if successful) during treatability to optimize the cleanup activities.			
3200- -	B1 1	200-BP-5 Remediation		5,639	
		Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase. Complete remediation of all past-practice sites by 2018.			
3230- -	B1 1	200-UP-1 Assessment		1,206	
		Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 3/31/94. Continue operating/expanding systems (if successful) during treatability to optimize the cleanup activities.			
3230- -	B1 1	200-UP-1 Remediation		1,589	
		Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase.			
3230- -	B1 1	200-UP-1 Treatability		2,070	
		Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 3/31/94. Continue operating/expanding systems (if successful) during treatability to optimize the cleanup activities.			
3235- -	B1 1	200-ZP-1 Remediation		6,014	
		Continue operating/expanding the pump and treat systems to optimize			

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: D							
3235-	-	200-ZP-2 Remediation	B1 1	cleanup activities during the remediation phase. Complete remediation of all past-practice sites by 2018. Action memorandum issued by regulators in 1/92 requires extraction of carbon tetrachloride from 200-ZP-2. Complete remediation of all past-practice sites by 2018.		4,770	
3300-	-	300-FF-1 Remediation	B1 1	Upon finalization of the FS Phase 3 report, a draft proposed plan will be issued to the regulators by 12/31/94, outlining the preferred remedial alternative for the OU. Then, an ROD, based on review of the proposed plan, is anticipated to be received six months after issuance of the draft proposed plan (6/30/95). Physical remediation of the OU is to begin no later than 15 months after receipt of the ROD. Requires remediation of all past-practice sites by 2018.		3,955	
3300-	-	300-FF-5 Remediation	B1 1	Upon finalization of the combined RI Phase 2 and FS Phase 3 report, a draft proposed plan will be issued to the regulators by 5/30/95, outlining the preferred remedial alternative for the OU. Then, an ROD, based on review of the proposed plan, is anticipated to be received six months after issuance of the draft proposed plan (10/30/95). Physical remediation of the OU is to begin no later than 15 months after receipt of the ROD. Requires remediation of all past practice sites by 2018.		156	
3400-	-	Barrier Development	B1 5	Funds the testing and monitoring of an earthen barrier to isolate buried wastes from the environment. Non funding will result in the inability to complete the full testing of the barrier prototype as well as the cessation of various studies and consultations critical to the verification of the Hanford Barrier prototype as an adequate one for closure of buried waste sites by FY 1998.		1,280	
3400-	-	Barrier Development	B1 5	Funds the testing and monitoring of an earthen barrier to isolate buried wastes from the environment. Non funding will result in the inability to complete the full testing of the barrier prototype as well as the cessation of various studies and consultations critical to the verification of the Hanford Barrier prototype as an adequate one for closure of buried waste sites by FY 1998.		1,000	
3400-	-	Columbia River Studies	B1 1	A direct result of the TPA in Principle, Amendment 2, and will develop a compendium of data on the Columbia Reiver's contaminants from Hanford operations. Non funding would result in breach of the TPA in Principle.		1,000	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 30

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: D						
3400- -	B1	3	ER Program Management ST/RL Program Management, RL, and USACE office are partially funded, supporting TPA milestones M-15 and M-35 CERCLA grants, and supports Grumbly's safety and health initiative. Non-funding would eliminate the ER Program Office, which would result in inadequate oversight and eliminate funding for Grumbly's safety and health initiative.		32,305	
3400- -	B1	3	FAC Infrastructure Provides ER administrative infrastructure support that is not directly funded by individuals OUs such as documentation, control manuals, special studies, value engineering, and internal surveillance. Funding cuts would jeopardize overall administrative support for the ER program.		1,624	
3400- -	B1	3	FAC Infrastructure Provides ER administrative infrastructure support that is not directly funded by individuals OUs such as documentation, control manuals, special studies, value engineering, and internal surveillance. Funding cuts would jeopardize overall administrative support for the ER program.		3,934	
3400- -	B1	4	Facilities-Equipment Provides for expense funded CENRTC to support ER activities which include new EAL instrumentation and HP equipment. Funding cuts would jeopardize environmental analytical capabilities to support ER activities.		628	
3400- -	B1	1	HRA - EIS Funds the initiation of NEPA documentation of former Hanford operating facilities (PUREX, B Plant, N Reactor, etc.) as they are transitioned into the ER Program for D&D. Non-funding would result in the delay of obtaining full NEPA coverage for major D&D activities and place DOE in non-compliance with NEPA.		1,001	
3400- -	B1	3	HRA-EIS Assesses the cumulative impacts of the Hanford ER program and provides for future land use scenarios based on the range of remedial actions which will take place on the Hanford Site. Non-funding of the HRA-EIS will place DOE in non-compliance with NEPA.		1,500	
3400- -	B1	4	Lab Upgrades Provides for administration of Hanford Analytical Services and development of a chemistry course program at WSU-Tricities. Funding cuts would jeopardize commercial analytical services at Hanford and training to support the analytical chemistry needs at the Hanford Site.		482	
3400- -	B1	2	Program Management (QA) Provides for the QA self-assessment supporting DOE Implementation Plan for DNFSB Recommendation 90-2. Budget restrictions will result in degradation of implementation of the ER QA program and potential		2,672	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

Sub

Ads# Act

Workscope Desc

Priority
RL Grnbly

Justification

(\$,000)
FY 95(\$,000)
FY 96Productivity\
Add'l Target

Case: D

Case: D	Workscope Desc	Priority RL Grnbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
			reduction in the margin of overall safe operation and management of the WHC ER program.			
3700 -	Disposal Facility	B1 1	Required to meet TPA milestone M-70-00, to provide an operational ERDF on 9/30/96.		4,524	
3700 -	Disposal Facility	B1 1	Required to meet TPA milestone M-70-00, to provide an operational ERDF on 9/30/96.		25,243	
3800 -	S&M Post Remedial Actions	B1 1	Following remediation, periodic groundwater monitoring assures continued safety to the public and environment.		230	
4110-0-	KE Encapsulation	B1 1	Failure to encapsulate the fuel in K East Basin will allow fuel degradation to continue unchecked, in direct contact with the basin water. This, in turn, will increase the sludge inventory and continually add radioactive contaminants to the water. Evaporation then emits contaminants to the atmosphere through gaseous effluent discharges. Failure to encapsulate fuel will directly impact the ability to meet TPA milestone M-34-00.		6,277	
4110-0-	KE/KW Essential Systems Upgrade	B1 2	If not funded, the seismic problems identified during an RL surveillance will not be corrected. The security system maintenance problems and costs will continue to increase due to antiquated systems and unavailability of spare parts. Fire protection risks will increase, particularly in the fuel storage basins; where property loss due to a fire would be several million dollars and could be accompanied by release of on-site contamination.		1,274	
4110-0-	S/RIDS - K Basins	B1 2	Provide documentation of adherence to standard records control.		200	
4190-0-	B Plant Environmental Compliance	B1 2	Funds ongoing management of the liquid and gaseous effluent systems, NESHAPs, Part B Permit, and Tank Integrity Assessments. If not funded, B Plant would be in non-compliance with RCRA, WAC, and CAA; as well as miss critical TPA milestones.		2,020	
6622-0-	PUREX Environmental Compliance	B1 2	Provides for environmental engineering and monitoring, laboratory compliance, Part B permit. If unfunded, PUREX would be in non-compliance with DOE Orders, State, and Federal regulations. PUREX would fail to meet OSR requirements for effluent monitoring and sampling. RCRA closure plan would not be submitted to meet TPA M-20-24.		3,134	
6622-0-	PUREX UO3 Deactivation	B1 4	Finalizing of the facility cleanout plan and initial cleanout activities would be delayed by 2 years. Delay in facility cleanout results in approximately \$35M per year additional cost. Liquid		5,310	

FY95/FY96 INTEGRATED EM PRIORITY LIST
BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

4/19/94

9:54 am

Table: Pri96.db

Report: #1

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)
FY 95(\$,000)
FY 96Productivity\
Add'l Target

Case: D

Case: D	Sub	Workscope Desc	Priority	RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
						wastes at PUREX do not meet all regulatory requirements for continued storage. Failure to continue rapid progress on the Deactivation project could result in enforcement options taken by the regulatory agencies.			
6623-0-		300 Area Fuels Environmental Surveillance	B1		2	If unfunded, Federal and State hazardous waste regulations would not be met. Daily oversight and management of the compliance program would not be provided.			74
6624-0-		PFP Environmental Compliance Activities	B1		2	PFP specific environmental compliance activities including PFP Part B permit, M-20-48, and Tank Interim status would not be completed. Air operating permit and related emissions inventory would not be completed. Failure to support these activities would result in violations of TPA, RCRA, WAC, CAA, and DOE orders. Capital support would not be available to maintain the facility in compliance with regulations.			2,800
6624-0-		PFP NEPA	B1		6	DOE-HQ has directed that documentation be prepared at PFP prior to performing stabilization of reactive materials or cleanout at the plant. If not funded, delays in the development of NEPA documentation will cause the plant to remain in a high hazard standby condition for extended periods and also jeopardize the potential of using it for any future remediation or interim storage missions.			1,981
6640- -		Environmental Protection	B1		2	Facility Wastes not properly dispositioned			1,600
6641- -		308 Bldg. Surveillance	B1		2	Building OSR violations and environmental compliance issues			700
6660-0-		Program Integration NEPA	B1		6	NEPA establishes national environmental policy goals for the protection, maintenance, and enhancement of the environment and provides a process for implementing these goals within the federal agencies. If not funded in FY96, the NEPA documentation for the Hanford Site General Purpose Facility projects cannot be prepared.			162
6694-0-		TPA State Funding - Mixed Waste Fee	B1		3	Required to meet DOE commitments to regulators and stakeholders.			5,039
7100-0-		k-LIMS development/implementation	B1		1	The Laboratory Information System (LIMS) is required to replace the outdated system at 222-S and provide new systems for 325 and WSCF. This project is currently ongoing with continued implementation of new features and functionality through systems configuration and development activities. An add'l \$1.7M is funded by TWRS characterization ADS 1130.			1,600
7100-0-		l-222-S Laboratory Facility Renovations	B1		1	Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four			1,800

FY95/FY96 INTEGRATED EM PRIORITY LIST
BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Table: Pri96.db

Report: #1

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification		FY 95	FY 96	Add'l Target

Case: D							
7100-0-	l-222-S Laboratory Facility Renovations	B1	1	room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds two rooms in FY 1996. An add'l \$2.8M in FY 1996 is funded by the TWRS Characterization ADS 1130.		300	
7100-0-	m-325 Facility Renovations	B1	1	Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds two rooms in FY 1996. An add'l \$2.8M in FY 1996 is funded by the TWRS Characterization ADS 1130.		1,500	
7100-0-	p-222-S Productivity/process improvements	B1	1	Capacity upgrades required to support at the ready-to-serve level. An add'l \$2.3M in FY 1996 is funded by the TWRS characterization ADS 1130. Renovate add'l square footage of the Radiochemistry Laboratory Suite and the Inorganic Analysis Laboratory Suite. Failure to receive the funding to continue the renovation of these laboratory areas will leave the ACL with a reduced analytical capacity from that which was originally available. This is due to the fact that the renovations will be interrupted mid-way through the process and the laboratory suites will be left in a state of partial completion.		1,300	
7100-1-	i-Project Support under Directive	B1	3	This funds efforts to bring the cost per sample analysis down by implementing cost-saving improvements that require up front investment.		775	
7100-3-	k-219-S Tank Upgrades (W-178) M-32	B1	2	Expense support to projects authorized under directive and preliminary engineering studies to examine the feasibility and workscope of a proposed project.		811	
7110-0-	o-Expense Support to Projects	B1	1	This project will provide the 219S facility with secondary containment for tanks 101, 102, and 103. The project is required to support the TPA milestones M-32 and the Part B permit for the 222-S.		169	
7250-0-AE	HMP	B1	3	Engineering studies, FDCs, CDRs, and conceptual planning for the candidate construction projects. Supports continued availability of laboratory facilities.		1,052	
				Revise Hanford Mission Plan "Site Guidance" based on Systems Engineering and new requirements on decisions; prepare add'l Hanford Strategic analysis material balances to add process options proposed by SE or stakeholders; and maintain existing material balances to remain current with program decisions.			

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 34

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grnbly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target

Case: D						
7250-0-AI	B1 3	NYPP Coordination	This activity results in the development of the Hanford technical, schedule, and cost baseline documents which performance will be measured against. The development of the Site Integrated Schedule will be a direct product and outcome of the Hanford programmatic baseline information. This activity provides for training to develop improved methods for activity based planning and cost estimating. Technical cost assessments and reviews are performed in order to assure compliance with DOE requirements and WHC procedures. Baseline technical reviews provide an independent validation of workscope.		1,629	
7330- -	B1 2	Air and Water Permitting	Supports regulatory Air and Water Permitting activities for the Hanford Site. Supports site-wide storm water permit, UIC, drinking water, and other related regulations required by Clean Water Act, support compliance with Clean Air Act site-wide air operating permit requirements. Criminal and civil penalties for noncompliance.		880	
7330- -	B1 2	Environmental Reporting	Supports preparation of mandatory regulatory reports. Supports annual Tri-Party Agreement M-26 milestone requirements and Clean Air Act sitewide operating database maintenance.		1,712	
7330- -	B1 2	Program Administration	Provides program management/financial administration for the program.		468	
7330- -	B1 2	RCRA Permitting	Supports regulatory RCRA permitting coordination, issue resolution, and assurance of consistency for the Hanford Site. Failure to comply with Hanford Facility RCRA/Dangerous Waste permit if not funded.		399	
7330- -	B1 2	Regulatory Field Support	Supports facilities in identifying and complying with regulatory requirements/documentation of regulatory audits/inspections.		1,003	
7330- -	B1 2	TSD Permit Requirements	Supports activities required by the Hanford Facility RCRA/Dangerous Waste Permit. Specific requirements include: facility-wide inspections, permit waste inventory, closure costs and waste minimization activities, permit recordkeeping and retrieval, and compliance oversight coordination.		1,964	
7330- -	B1 2	Tri-Party Agreement Integration	Supports TPA Hanford Site Integration. Failure to provide adequate support will impact coordination of TPA implementation and negotiations.		828	
7332- -	B1 2	Pollution Prevention	Supports pollution prevention reporting requirements and general program development for the entire Hanford Site.		576	
7340-0-AA	B1 2	Capital Equipment	New or replacement equipment for environmental monitoring, 40CDR61, 40CFR265/Monitoring equipment no longer functional as equipment		2,000	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 35

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: D						
			fails.			
7340-0-AC	B1	2	Samples collected and analyzed in support of RCRA, SDWA, CSW, and 40CFR265 requirements/Noncompliance will place GW and public at risk		3,061	
7340-0-AC	B1	2	Samples collected and analyzed in support of RCRA, SDWA, CWA, and 40 CFR 265 requirements. Noncompliance will place GW and public at risk.		2,256	
7340-0-AC	B1	2	Maintains compliant disposition of purgewater/Stored purgewater would cause greater costs		256	
7340-0-AD	B1	2	Well must be maintained for groundwater monitoring, 40CFR265/Without wells, GW monitoring does not function		2,353	
7340-0-BA	B1	2	Clean Air Act, 40CFR61/Reporting requirements would be noncompliant and an unsafe practice if not performed		3,683	
7340-0-BA	B1	2	Study new or replacement monitoring requirements for NESHAP Compliance/Noncompliance with EPA-NESHAP Orders		987	
7340-0-BB	B1	2	Monitors vadose zone for contamination spread/Expensive core sampling		1,084	
7340-0-BB	B1	2	Maintain surveillance of the Hanford Site and surrounding portion of eastern Washington/Could prohibit future construction		491	
8400-0-AA	B1	2	Regulatory requirement to phase out the use of regulated refrigerants. If not funded, fines may result from violations of environmental laws.		300	
8400-0-BB	B1	2	Partial funding towards regulatory requirement for protection of Hanford Site historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform CR reviews in piece-meal fashion.		203	
8400-0-CA	B1	2	Independent assessment of the impacts of Hanford on the environment and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site Environmental Report; provides meteorological/climatological services, samples and characterizes groundwater. Provides dosimetry coordination, analytical support services, Native American interaction, NEPA characterization, a grant to Nature Conservancy, and public/educational outreach activities. Failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations, and the public as baseline information on Hanford environmental status.		8,957	
8400-0-CA	B1	2	Independent assessment of the impacts of Hanford on the environment		3,600	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 36

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: D							
	Protection Program			and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site Environmental Report; provides meteorological/climatological services, samples and characterizes groundwater. Provides dosimetry coordination, analytical support services, Native American interaction, NEPA characterization, a grant to Nature Conservancy, and public/educational outreach activities. failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations, and the public as baseline information on Hanford environmental status.			
8400-0-EA	RMW Storage Tank Inspection (PNL)	B1	1	Regulatory compliance for inspection of highly radioactive storage tanks. If not funded, tank integrity cannot be demonstrated, leaks may not be stopped, and the potential for release of radioactive material to the environment may increase.		1,536	
8400-0-KA	Pollution Prevention Program	B1	2	Regulatory requirement for pollution prevention program. If not funded, the RCRA hazardous waste manifest cannot be approved resulting in the inability to ship hazardous and radioactive mixed waste to disposal/storage facilities.		535	
8400-0-LA	NEPA compliance program	B1	2	Regulatory requirement to assess environmental compliance of PNL programs. If not funded, fines may result and facilities/programs may be shut down.		576	
8400-0-PA	RCRA Permitting	B1	2	Regulatory requirements for permitting basic research in the treatment of RCRA hazardous wastes. If not funded, would result in failure to meet TPA milestones, potential fines for RCRA violations, and shutdown of operations.		109	
1100- -	Purchase HLLW Cask and Pumping System	B2	1	Required for SST emergency puming in the event of a leaker. Tri-Party Agreement milestone M-41-03B, "Delivery of the mobile high-level waste transport cask."		1,700	
1120-0-	Engineered Tank Farm Hardware	B2	4	Develop transfer pumps for tank farm wastes. Develop design guide for equipment to be installed in tanks. Higher fiscal and environmental costs associated with equipment which does not consider life cycle costs in their design.		1,300	
1120-0-	Liquid Level Gauges	B2	4	Installation of new liquid level gauges on all DST and SST with surface liquid. Continue operation of unreliable high maintenance system.		1,700	
1120-0-	Long Length Contaminated Equipment Disposal	B2	4	Develop protocol and hardware for the disposal process. Failing to implement such a strategy has an estimated cost impact of over \$1		2,200	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 37

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	FY 95	FY 96	Add'l Target

Case: D					
1230- -	B2 3	Program Management		2,800	
Billion.					
Providing overall management and guidance of the program.					
Preparation and submittal to customer of business plans (FYWP, MYPP, ADS). Support to public involvement and systems engineering process. Path to success for HLW. Should this activity be reduced or cut, the thread of the program would be lost. This is a major part of the success of LLW. Would impact TPA milestone.					
2320-1-	B2 2	h-Project C-077, T Plant Ventilation Upgrade		266	
Complete the Advanced CDR. The upgrade is required for: 1) worker safety/ALARA (10 CFR 835), calls for the minimization of the spread of airborne rad contamination within the 221-T canyon; 2) worker efficiency (DOE Order 6430.1A), canyon access is limited to 15 minute intervals per worker during 80 degree or higher temperatures in the summer, extending the intervals beyond 15 minutes increases the risk of skin contamination due to perspiration. Conversely, inadequate heating systems have created freezing conditions during the winter. Respirator face plates tend to fog in cold conditions, creating serious safety hazards for personnel; and 3) negative differential					
3400- -	B2 2	Program Management (Tech)		471	
The technology support activities seek out and adapt technologies in the private and public section which can enhance and improve the efficiency of the ER program. Non-funding will result in the use of only current available technologies to remediate the Hanford Site.					
3510- -	B2 4	100 Area D&D - Remediation		6,770	
3510- -	B2 4	D&D Facilities (Reactor Engr.)		265	
Accelerate D&D of 100 Area surplus facilities in accordance with AIP. Provide minimal engineering support to Reactor Block Removal project (105-C).					
6641- -	B2 2	Legacy Occupancy		300	
6641- -	B2 2	NE legacies		1,400	
6641- -	B2 2	TRIGA Fuel disposition		700	
6675-0-	B2 2	General Plant Projects		5,857	
Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is jeopardized, state and feder laws cannot be met and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are available with sufficient capacity when needed.					

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 38

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: D						
6680-0-	FY 1996 New Starts (200 Area Sanitary Sewer System, Fire Station and Fire/Grnd Training Facility, Buildings Utilit Replace, 300 Area)	B2 2	FY 1996 Line Items will begin definitive design.		4,992	
7360- -	Essential Materials	B2	Includes container/drums to store waste.		23	
7360- -	Radio equipment	C1	Radio equipment including cellular phones.		4	
7360- -	Telecommunication	C1	Parts for faxes, computers, radios, and telephone equipment.		48	
1120-0-	Control Room Upgrades	C2 4	Upgrade the control room instrumentation and electrical systems to replace equipment not in compliance with current standards and regulations. Non-compliance with standards and regulations.		900	
1120-0-	Electrical and I&C GPP Definition	C2 4	Identify General Plant Projects required to support electrical and I&C upgrades. Necessary instrumentation and electrical upgrade General Plant Projects will remain undefined and unworked.		600	
1120-0-	TMACS All Remaining Tanks	C2 4	Completion of the installation of new thermocouples and continuous temperature monitoring systems in all tanks. Operators continue periodic rounds to take thermocouple readings as opposed to remote/continuuouts/automated temperature monitoring.		900	
1120-0-	Upgrade Operating Procedures	C2 4	Upgrade of the operating procedures to support operations and maintenance activities. Operating procedure will not be in compliance with current standards and regulations.		700	
6660-0-	Program Integration--Capital Asset Management Process (CAMP)	C2 4	If not funded, the systems and assets will continue to deteriorate without a structured program in place to identify and address the potential problems. This increases the likelihood of imminent safety hazards going unnoticed and greatly increases the potential for more accidents and the possibility of another fatality.		1,043	
6665-0-	Expense Funded Projects -NEC	C2 2	Electrical system deficiencies have been identified in facilities that, if left as is, could result in personnel injury, property loss, and disruption of mission. Potential injuries from electrical systems has been identified as a highly likely event at Hanford due to the current condition. Not funding this work will delay the correction process resulting in unresolved safety related deficiencies and add'l costs to due escalation.		759	
6665-0-	Expense Funded Projects--Demolition	C2 2	Buildings that are no longer useful or which present a danger to personnel due to their condition require demolition. If the buildings remain standing, they must be maintained and routine surveillance conducted. Certain builiding sites cannot be reused or		1,139	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

Sub

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 39

Case#	Sub	Workscope Desc	Priority RL Grmby	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: D							
				transferred to others if the demolition is not performed. Not funding this work will delay the demolition of structures in the 300 and 3000 Areas impacting final cleanup of the site, as well as prolonging surveillance and maintenance costs.			
6665-0-		Expense Funded Projects--General Purpose Facilities maintenace and repairs	C2 2	This work is required to correct safety deficiencies and to maintain the habitability of buildings. If not funded, leaking roofs and structural failures cannot be repaired, and failing HVAC systems cannot be replaced, and buildings will not be maintained. General purpose facilities are needed in support of the Hanford Waste Management and Environmental Restoration mission.		1,625	
1130- -		Operate offsite Characterization Lab to support TWRS/Analyze	D1 4	Provides containers for sending samples offsite. Offsite labs are required to meet schedule commitments.		9,800	
1130- -		Screen Non-Watch List tanks for safety issues	D1	This task is add'l core sampling. Add'l capacity is needed to meet DNFSB 93-08 schedule commitments.		1,000	
1200- -		Acquisition management	D1 4	Continue prosectuion of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.		69	
1200- -		Business Management/Integration	D1 3	Provide appropriate business management control of TWRS projects. Poorly managed projects and non-compliance with DOE 4700.1.		1,065	
1200- -		Business management	D1 3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.		121	
1200- -		Clerical Support	D1 3	Provides for GSS Contractor, clerical support, and support to other DOE laboratories.		388	
1200- -		Communications and Building Management	D1 3	Division level communications, administration, employee recognition, and building administration. Significant reduction in morale of TWRS employees.		1,158	
1200- -		DOE Lab Support	D1 3	Provides for GSS Contractor, clerical support, and support to other DOE laboratories.		799	
1200- -		Employee Concerns/Suggestions	D1 4	Continue prosectuion of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and		140	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 40

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)	(\$,000)	Productivity\
			RL	Grmbly		FY 95	FY 96	Add'l Target

Case: D								
1200-	-	General Supply Service Contractor	D1	3	non-compliance with DOE orders and DNFSB commitments. Provides for GSS Contractor, clerical support, and support to other DOE laboratories.		4,616	
1200-	-	Information Resources Management	D1	4	Establish and maintain a TWRS centralized information resources management system, including computer databases, document control, and record management. The element includes development of appropriate software and acquisition of hardware to support the program. Continued decentralized, mixed, and contradicting data, which will affect two TPA milestones and put program out of compliance with Program Management Plan and Annexes.		2,237	
1200-	-	Program Management	D1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.		214	
1200-	-	Program Management and Support	D1	5	Increase staff and contract help to expand technology vase in support of privatization, systems engineering, ad dedicated end function program management. Overall reduction in technology support would increase risks of not having alternative technologies to support program.		1,172	
1200-	-	Program Planning	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.		1,711	
1200-	-	Public Involvement Execution	D1	6	Provides limited planning for mandatory program level public involvement and building administration. Failure to plan or have quality public involvement will destroy credibility.		50	
1200-	-	Public Involvement Management	D1	6	Provides limited planning for mandatory program level public involvement and building administration. Failure to plan or have quality public involvement will destroy credibility.		124	
1200-	-	Re-engineering and Production	D1	4	Continue prosectution of Profile II savings and other productivity initiatives, development of annual staffing plan, and individual Qualification and Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initatives and		687	

4/19/94

9:54 am

Table: Pri96.db

Report: #1.

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: D						
1200- -			non-compliance with DOE orders and DNFSB commitments.			
	D1	4	Manages the formal ORR program for all TWRS activities. Greatly increases risk of approving startup/restart of facilities and forces non-compliance with DOE 5480.31 which requires independent ORR. Can affect future mixer pump installation and numerous TF upgrades in FY95.		291	
1200- -	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.		53	
1200- -	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.		1,065	
1200- -	D1	4	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.		276	
7250-0-AA	D2	3	Integrated Risk Assessment Program (IRAP) develops and implements methodology for site-wide risk assessments. IRAP estimates risk to the public, workers, and ecosystem for three time periods: at the current time, during remediation, and for the final site end-state. At the FY 1996 decrement level, the public health baseline risk assessment is completed, and the worker health baseline risk assessment is initiated.		844	
7250-0-AB	D2	3	Basic PI program coordination, required to complete SMS and PTS reporting, change control administration. Also includes PI program planning documentation, including coordination of the MYPP/FYWP/ADS, etc.		178	
7250-0-AC	D2	3	Management support and administration of Five Year Plan and MYPP activities.		294	
7250-0-AD	D2	3	RL will be in compliance with the HQ mandated reporting requirements by the Undersecretary to comply with OMB managed directions--105 Stat		617	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 42

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: D						
			1290 Sec. 3135(a); DOE Order 2250.1C, CSCSC; DOE Order 4700.1 Project Management System; and the Office of Waste Operations-Management Policies and Requirements. The impact if not funded is inconsistency with the balance of the DOE complex in their monthly reporting of activities to HQ.			
7250-0-AG	Systems Engineering	D2 3	Systems Engineering will be used to refine site and program missions, functions, and requirements; technical baselines; organization; and execution. It will strengthen the technical basis and integration of future Hanford Mission Plans, MYPPs, and FYWPs.		800	
7250-0-AJ	ADS preparation and submittal (prioritization, ADS reviews, program planning/development)	D2 4	ADSs are the RL/HQ prescribed means of formulating the EM budget (RL Directive 9401152B, Grumbly Guidance January 21, 1994). ADSs are also the designated medium for discussing Hanford's workscope and budget request with the regulators (TPA paragraph 139-c,d, and f). Coordination of the preparation of ADSs form the basis of Hanford's budget request leading to the congressional budget appropriation. Impact if not funded: Out of compliance with RL/HQ directive; no funding for legally mandated workscope.		567	
7250-0-AJ	Five Year Plan Systems Development, public participation, computer steering group, budget support	D2 4	Required to test, debug expanded EPDS, Windows platform, client server. Impact if not funded: increased maintenance, system failure.		188	
7250-0-AJ	IRM support to FYP EPDS and RPM	D2 4	EPDS is the computer platform used to develop ADSs, provides documentation of workscope cost estimates via Resource Pricing module (RPM). Impact if not funded: No ADSs or ADSs not in format mandated by HQ directive; inconsistent documentation of cost estimates, inability to interact with HQ system.		479	
7250-0-AK	Risk Management	D2 3	This implements risk based decision making at Hanford by supporting Systems Engineering. The application of site objectives, risk measures, and functions to form criteria, weighting to the identification, selection, and analysis of alternatives; support MYPP priority formulation.		560	
6604-0-	Dose Reconstruction/health infor network	E1 6	Required to meet DOE commitments to regulators and stakeholders.		2,000	
6680-0-	Line Items--Project identification and Scoping	E1 5	Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, a lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is		336	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmblly	Workscope Desc	FY 95	FY 96	Add'l Target
Case: D					
		jeopardized, state and federal laws cannot be met, and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are available with sufficient capacity when needed.			
7360- -	E1	General Supplies/Computers		183	
7360- -	E1	Process Spares Administration		377	
7360- -	E1	Program Support		46	
7360- -	E1	Reserve Allowance for Loss		91	
7360- -	E1	Warehouse		788	
7360- -	E1	Warehouse Administration		557	
- -	F1	G & A Rate Reduction		(731)	
- -	F1	Productivity Commitment		(4,238)	
- -	F1	G & A Rate Reduction		(553)	
- -	F1	Productivity Commitment		(2,968)	
- -	F1	G & A Rate Reduction		(1,695)	
- -	F1	Productivity Commitment		(9,096)	
1100- -	F1	G & A Rate Reduction		(6,545)	
1100- -	F1	Productivity Commitment		(33,377)	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: D						
2200- -	G & A Rate Reduction	F1	Integration Team (PIT) in order to fund designated critical unfunded items. Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.		(680)	
2200- -	Productivity Commitment	F1	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.		(7,194)	
2300- -	G&A Rate Reduction	F1	Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.		(600)	
2300- -	Productivity Commitment	F1	Productivity Commitment (10%) identified by the Westinghouse Program Team (PIT) in order to fund designated critical unfunded items.		(4,119)	
2320- -	G & A Rate Reduction	F1	Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.		(507)	
2320- -	Productivity Commitment	F1	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.		(3,319)	
4110-0-	G & A Rate Reduction	F1	Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.		(676)	
4110-0-	Productivity Commitment	F1	Productivity Commitment (10%) identified by the Westinghouse PIT in order to fund designated critical unfunded items.		(4,030)	
4190- -	Defense Production Funding	F1			(20,000)	
6602- -	Economic Transition	F1			972	
6660- -	G & A Rate Reduction	F1	Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.		(266)	
6660- -	Ongoing Line items	F1	Projects 325 Fac. Compliance/Renovation, 300 Area Process Sewer Piping System Upgrade, and 324 Fac. Compliance/Renovation will be in construction; Project KEH Multi Purpose Facility will be complete; and Project Primary Highway-Route N of Wye Barricade will complete design and start construction.		13,351	
6660- -	Productivity Commitment	F1	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.		(4,032)	
6690-0-	Yakima Indian Nation Grant	F1 6	Required to meet DOE commitments to regulators and stakeholders.		1,800	
6691-0-	Nez Perce Indian Nation Grant	F1 6	Required to meet DOE commitments to regulators and stakeholders.		1,400	
6692-0-	Umatilla Indian Nation Grant	F1 6	Required to meet DOE commitments to regulators and stakeholders.		1,600	
6693-0-	Oregon Hanford Oversight	F1 6	Required to meet DOE commitments to regulators and stakeholders.		559	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target

Case: D						
6695-0- 7100- -	F1 3 F1	Environmental Support G & A Rate Reduction	Required to meet DOE commitments to regulators and stakeholders. Anticipated reductions in the Westinghouse level General and Administrative (G&A) overhead rates.		1,717 (1,000)	
7100- -	F1	Productivity Commitment	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.		(5,470)	
7250-0-AL	F1	Productivity Commitment/G&A Reduction	A productivity commitment of 10% was identified by the WMC Program Integration Team in order to fund key activities. G&A reduction reflects anticipated reductions in the company-level overhead rates.		(620)	
7330- -	F1	G&A Rate Reduction	Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.		(170)	
7330- -	F1	Productivity Commitment	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.		(766)	
7340- -	F1	G & A Rate Reduction	Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.		(340)	
7340- -	F1	Productivity Commitment	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.		(1,916)	
7360- -	F1	Productivity Commitment	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.		(248)	
8400- -	F1	Productivity Commitment	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.		(3,903)	
				=====	=====	
Sub Total for Case D				0	1,434,923	
Case: T						
1100- -	A1	Tank Farm Routine Surveillances	Acquires routine surveillance data (tank data, vent systems, LOWs, etc.) in the 200 East/West tank farms. Required for continued safe storage of underground waste tank in 200 East/West areas. In addition, WAC 173-303 "Dangerous Waste Regulations," requires a monitoring/surveillance for safe storage.	14,100		
1110-0-	A1 1	Close USQs for Flammable Gas Tanks	TPA M-40-09, Safety Initiative 21. Delay closure of SY, AW, and AN farm USQs.	1,786		

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grnbly	Justification	FY 95	FY 96	Add'l Target

Case: T						
1110-0-	A1	1	The Mitigation test pump currently installed in Tank 241-SY-101 is a temporary pump with a limited lifecycle. A replacement pump will be required if and when it fails. No replacement pump available to mitigate tank. Tank will return to episodic hydrogen gas releases that can exceed flammable limits.	21,393	3,870	
1110-0-	A1	1	Current baseline reflects \$1460k in FY95 and \$1777k in FY96. This funding is required for sonic probe efforts. A revised funding level eliminates sonic probe development work and commences with dilution studies. This is required to evaluate alternate mitigation techniques for flammable gas tanks (Dilution). No alternative options to mitigating flammable tanks if unforeseen problems arise with mitigation pumps.	518		
1110-0-	A1	1	Vapor, auger, and retained gas sampling; data analysis, and waste behavior data evaluation. Analysis and interpretation of data as it relates to safety issue resolution would be deferred.	3,581		
1110-0-	A1	1	Safety Initiative 2x and TPA M-40-05. Process test to reduce drainable liquid to a minimum level in 106-C would not be completed.	988		
1110-0-	A1	1	Initiate safety screening and monitoring of misc. tanks. Would defer identification of potential safety issues.	1,043		
1110-0-	A1	1	Tank headspace vapor characterization is essential to sound Industrial Hygiene vapor monitoring. This data is required to adequately protect Tank Farm workers. Worker safety is first priority for all work performed in the tank farms. This activity allows for sampling of tank vapors for chemical constituents, flammability, and aerosols to deal with resolution of the vapor release problem in and around suspect tanks, and to reduce respiratory protection requirements in the tank farms. Potential impacts to worker safety, and completion of TPA milestones M-40-03 to perform vapor characterization for all FeCN tanks, and M-40-08 to	2,679		
1110-0-	A1	1	The application of technology for closing the FeCN USA and resolving the tank safety issues requires an understanding of the mechanisms that may create potential hazards. This is accomplished by defining and evaluating the problems through the use of historical data, waste stimulant studies, chemical reaction studies, measurement of physical properties, and other special studies. Reduction of funds will impede ability to resolve the FeCN safety issue within the specified	3,533		

4/19/94

9:54 am

FY95/FY96 INTEGRATED EM PRIORITY LIST

Page 47

Table: Pri96.db

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Report: #1

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: T						
1110-0-	A1	1	timecard. Synathetic waste studies and modeling of gas generation and retention mechnisms and waste behavior. Add'l characterization and monitoring efforts would be required in lieu of laboratory activiries to provide the basis for USQ closure and safety issue resolution.	4,266		
1110-0-	A1	1	This activity includes technology and evaluation to define the organic safety issue (organic Watch List criteria and model of waste for each tank to bound its safety).	2,338		
1110-0-	A1	1	Tank headspace vapor characterization is essential to sound industrial hygiene vapor monitoring. This data is required to adequately protect tank farm works. This activity allows for the lab work and characterization of tank vapors for chemical consistencies, flammability, and aerosols. Potential impacts to work safety and completion of TPA milestones M-40-03 and M-40-08.	1,230		
1110-0-	A1	1	Evaluation and definition of the safety hazards associated with FeCN tanks is by conduction evaluations of historical data, performing waste stimulant studies, monitoring data, analyzing tanks waste samples, and conducting waste modeling. This activity includes tank monitoring upgrades and safety and environmental documentaion for installation of monitoring upgrades within the FeCN tanks. Tank monitoring upgrades will provide the required surveillanc in association with resolving the FeCN safety issue. Any reduction of funds will impact completion of TPA milestone M-40-02, to upgrade temperature monitoring capabilities in FeCN tanks by April 1995.	5,434		
1110-0-	A1	1	This activity provides for the evaluation and definition of the organic safety issue through waste sampling and analysis. The objective of this activity is to obtain characterization data in order to model the waste for each tank. Impacts may delay organic tank safety issue resolution by 12/97.	709		
1110-0-	A1	1	Current baseline reflects \$3649 in FY95 and \$20692 in FY96. A revised funding level delays mitigation work for tank SY-103, and would allow minimal efforts for this activity. Tank 241-SY-103 is one of five flammable gas Watch List tanks potentially requiring mitigation. Delayed mitigation, if data analysis indicates that mitigation is required. Delay would increase the risk of a tank detonation.	963		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 48

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: T						
1110-0-	Mitigate - Technology Development for Tank Vapor Safety	A1 1	WMC engineering support to continuously monitor tank vapor flow and to allow for revision/modifications in the field to the vapor flow monitoring device on tank 241-C-103. If funding is reduced, would not be able to support TPA subpanel recommendation that tank monitoring be performed. In addition, support to continually monitor the vapor flow and provide alarm capability as required in SI-2P would be impacted.	162		
1110-0-	Mitigate C-103 Organic Issue	A1 1	Scope includes the development, testing, installation, and operation of equipment for skimming the floating organic layer from the tank. In addition, it will be necessary to remove the floating organic safety issues, the organic will be pumped and stored in a RCRA compliant storage area and will be treated and disposed. Reductions in funding will result in potential delay in completion of TPA milestone M-40-04, Complete removal of floating organic layer from tank 241-C-103 by 6/95, and Safety Initiative SI-2u, Remove organic layer from tank 241-C-103 by 3/95.	1,900		
1110-0-	Mitigate Hydroxide Consumption	A1 1	Perform mixing operations of sodium hydroxide (caustic) in 107-AM; design caustic injection and mixing systems for 102-AZ and 102-AM. Tanks would remain out of compliance with the tank farm composition operating specification for hydroxide ion concentration which can potentially cause stress corrosion cracking.	2,011		
1110-0-	Perform Waste Tank Safety Program Management	A1 1	Provide management of the Waste Tank Safety Program and Safety Issue Resolution; TPA milestone M-40-00. Loss of management and advisory resources would potentially cause delays in mitigating waste tanks, closing USQs and resolving safety issues.	6,477		
1110-0-	Resolve FeCN Safety Issue	A1 1	Resolution of the FeCN safety issue is a two-step process that requires that FeCN USQ and then obtaining representative core samples and analytical analyses from each tank for similar groups of tanks to validate the tanks fit into either the safe or conditionally safe categories. This activity includes technical support funding, core sample data interpretation, safety documentation, and other associated tasks to resolve the safety issue. Reduction of funds will impede ability to resolve the FeCN safety issue within the specified timeframe.	1,520		
1110-0-	Resolve Internal Tank Vapor Issues	A1 1	WMC engineering liaison for management oversight of the fabrication plus craft support of installation of the modular exhauster to	1,368		

4/19/94

9:54 am

FY95/FY96 INTEGRATED EM PRIORITY LIST

Page 49

Table: Pri96.db

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Report: #1		Priority			(\$,000)	(\$,000)	Productivity\
Sub		RL	Grmbly	Justification	FY 95	FY 96	Add'l Target
Ads#	Act						

Case: T							
				include modifications and upgrades of utilities/generators to support the field operation of the exhauster. The ability to clean and exhaust the tank headspace is essential to adequately protect tank farm workers. Completion of TPA milestone M-40-07 to commence operation of a vapor treatment system by 6/95 would be impacted should funding of the activity be reduced.			
1110-0-	Resolve Internal-Organic Tanks without Treatment	A1	1	Logic to resolve the tank waste safety issue is to understand the mechanisms responsible for the potential hazard and to monitor and control waste storage parameters required to ensure compliance with safety criteria. This activie includes tank monitoring upgrades and safety and environmental documentation for installation of monitoring upgrades within the organic tanks. Tank monitoring upgrades will provide the required surveillance in association with resolving the organic safety issue. Any reduction of funds will impact completion of Safety Initiative milestones SI-2t, to install TCs and CTMS by 3/95. Failure to provide pressure monitoring of the tanks will	4,945		
1110-0-	Store and Monitor Flammable Gas Tanks	A1	1	TPA M-40-10, Safety Initiative 2f, 2h. Delay installation of gas monitors on remaining SSTs; delay vapor space monitoring of all flammable gas tanks; delay installation of SY farm exhauster and spark proof fan.	10,134		
1110-0-	Waste Tank Nuclear Criticality	A1	1	DOE-HQ requirement to develop better methods of fissile material measurements in Hanford tanks and maintain tank criticality databases. Inaccurate fissile measurements and criticality databases could result in criticality violations.	1,640		
1110-0-	Waste Tank Safety Quality Assurance	A1	1	Required to provide QA overview of the Waste Tank Safety Program. Loss of quality assurance and oversight functions would erode the validity of all data collected.	1,771		
1130- -	Analyze Non-Watch List Tank core samples	A1	1	Analyzes core samples tank from non-watch list tanks. The DNFSB 93-5 commitment requires safety screen of non-watch list tanks by 10/96.	6,553		
1130- -	Analyze Watch List Tank core samples	A1	1	Analyzes core samples tank from watch list tanks. The DNFSB 93-5 commitment requires safety screen of watch list tanks by 10/96.	9,475		
1130- -	Anlayze DST and SST Auger/Vapor Samples	A1	1	Analyzes auger and vapor samples. Auger sample analyses are required for completion of safety screening. Vapor analyses are required to support core sampling.	1,595		
1130- -	Auger sample to screen for safety issues	A1	1	This task collects auger samples from tanks. Auger sampling is required to complete safety screening in accordance with DNFSB 93-5.	1,016		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

Sub

Ads# Act

Workscope Desc

Priority

RL Grmbly

Justification

(\$,000)

FY 95

(\$,000)

FY 96

Productivity\

Add'l Target

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 50

Case: T

1130-	-	Characterization Program Technical Integration and Planning	A1	1	Provides the programmatic planning, systems engineering and QA support for tank waste characterization. Failure to fund these tasks will eliminate the programmatic support to characterization, including preparation of tank waste analysis plans as required by TPA milestone M-44-00.	1,233		
1130-	-	Complete historical ask content estimate report for NW and SE quadrants	A1		TPA DNFSB requirement to evaluate historical process characterization data to supplement DNFSB commitment 1.18 due 3/95.	1,875		
1130-	-	Generate Tank Characterization Reports	A1	1	Prepares tank characterization reports based on historical data, past sampling data, and current sampling. Failure to fund these tasks would cancel the documentation of tank sampling and analysis activities. (TPA milestones M-44-08 and M-44-09.)	1,326		
1130-	-	Load Characterization data on tanks into database	A1	1	Transfers tank characterization data into the electronic database for routine access. Electronic access to tank data is required by TPA milestones M-44-00 and M-35-00.	1,073		
1130-	-	Screen Watch List tanks for safety issues and completion of deployment of Rotary Mode Core Sampling	A1	1	Collects core samples from tanks on the watch list for safety issue screening. Completion of watch list tanks safety screening is required by 10/95 by DNFSB 93-5 commitment 2.3.	14,062		
1130-	-	Screen non-watch list tanks for safety issues	A1	1	This task collects core samples from non-watch list tanks for safety issue screen. Completion of non-watch list tanks safety screen is required by 10/96, in DNFSB 93-5 recommendation.	6,000		
1130-	-	Vapor sampling of tanks	A1	1	Collects tank vapor space samples. Vapor sampling is required to collect data for resolution of safety issues and to assure conditions are suitable for rotary core sampling.	1,893		
1200-	-	Chg Cont/Funds management	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.	116		
1200-	-	Performance Analysis	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.	2,662		
1200-	-	Program Baseline	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.	1,609		

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target
Case: T							
1200-	Program Planning	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.	1,323		
1200-	Program Status	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.	2,077		
1200-	RCRA Permit Implementation	A1	6	Capture TWRS requirements and modifications of management sytems in order to implement the terms and conditions of the RCRA permit. TWRS specific activities would not be completed and WMC risks non-compliance with the permit (WAC 173-303).	943		
1210-3-	D/C Initial DST WR System Phase I	A1	1	Provide retrieval systems for the first 10 DST to be retrieved. Retrieval will support resolution of tank safety issues (first designated tank as 101-SY) provide tank waste feed for ultimate disposal and open tank space to facilitate SST waste transfer (TPA). Unresolved safety issue; delays to SST retrieval and TPA milestones.	9,600		
1210-4-	D/C Slucing WR Demo C-106	A1	1	Provide a water sluicing based retrieval system to remove the high-heat generating sludge from Tank C-106 to resolve the associated tank safety issue. Unresolved safety issue; missed TPA milestone M-45-03A.	22,400		
2200-0-	Waste Characterization	A1	2	No changes in workscope and funding increase represents add'l Productivity Challenge commitment.	5,086	62	
2200-2-	Waste Retrieval Facility (W-113)	A1	2	No changes in workscope and funding increase represents add'l Productivity Challenge commitment.	4,589	261	
3031-1-	Program Direction	A1	3	Required to provide adequate managerial and financial oversight of the DOE contractors.	25,406		
6631-0-	Program Direction	A1	3	Required to provide adequate managerial and financial oversight of the DOE contractors.	34,891		
7340-0-AA	Program Management	A1	2	Program planning and control/RCRA Monitoring would not exist	1,170		
8400-0-SA	CsCl Legacy Safety Program	A1	1	Resolve increasing safety concern in 327 pool from swelled CsCl capsules. If not funded, increased risk of a capsule rupture could contaminate pool and possibly result in loss of 327 facility.	1,500		
8400-0-YA	324 Bldg B-Cell Restoration	A1	1	Provides supplemental defense funding for ADS 8410-0-AA.	672	(238)	
8410-0-AA	324 Bldg B-Cell Restoration	A1	1	Resolve major safety concerns. If not funded, would create unacceptable safety risks and the potential for a significant release	10,370	238	

Sub	Priority						
Ads# Act	Workscope Desc	RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: T							
8410-0-DA	CsCl Legacy Safety Program	A1	1	of radioactive material to the environment would increase. (Supplemented by ADS 8400-0-YA) Provides required supplemental Non-Defense funding for resolution of swelled CsCl capsules to prevent capsule rupture and resulting pool contamination.		221	
103-	DOE-RL Field Support for WM	A2	3	Required to provide adequate managerial and financial oversight of the DOE contractors.	10,674		
1100-	242-A Evaporator Engineering	A2	4	Supports 242-A evaporator operations. Engineering support required for evaporator operations and maintenance.	4,000		
1100-	242-A Evaporator Maintenance	A2	4	Supports 242-A evaporator operations. Required by WAC 173-303, Dangerous Waste Regulations. Need for operational compliance.	4,000		
1100-	242-A Evaporator Operations	A2	4	Required for waste volume reduction. Not operating will impact tank farms ability to accept waste transfers. Will need add'l DSTs to be built.	8,900		
1100-	CASS/THACS/SACS Data Base Management	A2		Data base for TF surveillance activities. Required TF base safe operations and regulatory compliance.	1,200		
1100-	Criticality Safety Engineering	A2	1	Upgrades criticality safety evaluations and fissile material inventories for safe storage and transfers. Without a criticality safety program no transfers to tanks can be performed. Upgrades recommended by DOE-HQ.	600		
1100-	DNFSB 90-2, Codes and Standards	A2		Implementation required by DNFSB 90-2. DOE-HQ and DNFSB requirement.	1,600		
1100-	DST Integrity Assessment Program	A2		DST Integrity Assessments regulatory required. WAC 173-303-640, Tank Systems requirement. We are currently out of compliance.	2,600		
1100-	DST Pumping Capabilities	A2	1	DST emergency pumping program development including equipment, procedures, and training. WAC 173-303 requires emergency pumping corrective actions to commence with 24 hours of discovering a tank leaker.	600		
1100-	DST/242-A Part B Permits	A2		Responds to the State's expected Notice of Deficiencies comments and addresses issues/concerns relating to permitting. A final facility permit is required by the Tri-Party Agreement and WAC 173-303-800, "Permit Requirements for Dangerous Waste Management Facilities."	1,000		
1100-	Environmental Compliance	A2		Required for continued tank farm operations. Funding required for maintaining environmental compliance with regulatory requirements.	4,900		
1100-	LOW Vans and Gamma Leak Detection	A2		Performs vadose zone characterization and surveillances in and around tank farms. Leak detection and plume analysis are regulatory requirements under WAC 173-303.	800		

Sub	Priority			(\$,000)	(\$,000)	Productivity\	
Ads# Act	Workscope Desc	RL	Grnbly	Justification	FY 95	FY 96	Add'l Target

Case: T							
1100- -	Nuclear Safety Oversight	A2	1	Waste Tank Nuclear Safety assess the overall safety of each facility providing the independent review responsibility. Independent Nuclear Safety Oversight is required by DOE Order 5480.5, "Safety of Nuclear Facilities" and WHC MRP 5.23, "Nuclear Facility Safety."	1,000		
1100- -	OSR Implementation	A2	1	Supports required upgrades (procedures and hardware) needed to fully implement the DST/SST/AWF interim OSRs. Supports continued safe operations in Tank Farms and allows Tank Farms to fully implement the interim OSRs.	4,500		
1100- -	Planning and Administration	A2	3	Provides occurrence reporting, admin support, and the Tank Farms integrated planning function. DOE Order requirements and efficient planning and operation.	2,700		
1100- -	Program Element and Baseline Management	A2	3	Provides programmatic direction and program management support to the N1 program element. Baseline management and planning is required to support continued tank farm safe operations.	2,200		
1100- -	Rad/Haz Solid Waste Disposal	A2	1	Characterizes, packages, and disposes of newly generated radioactive/hazardous solid waste in tank farms. Solid waste characterization and segregation is required by WAC 173-303, "Dangerous Waste Regulations."	7,400		
1100- -	SST Emergency Pumping	A2	1	Completes SST T-111 emergency corrective actions and responds to identified SST leaker. Emergency pumping of an identified SST leaker is required to minimize exposure to the environment. In addition, WAC 173-303 requires the prevention of migration of dangerous waste or dangerous constituents to ground water or surface water, if possible.	300		
1100- -	SST Emergency Pumping Preparations	A2	1	Maintains the emergency pumping capability of SST (i.e., SST Emergency pumping trailer, training, procedures, overground transfers capability, etc.), Emergency pumping of an identified SST leaker is required to minimize exposure to the environment. In addition, WAC 173-303 requires the prevention of migration of dangerous waste or dangerous constituents to ground water or surface water, if possible.	800		
1100- -	SST Interim Stabilization	A2	4	SST pumping for stabilization including preparations for pumping. Includes required operations/maintenance/engineering activities, and KEH farm preparations. Tri-Party Agreement milestone M-41-0, "Complete Single-Shell Tank Interim Stabilization."	4,500		
1100- -	SST Intrusion Prevention	A2	4	SST intrusion prevention is required to prevent liquids from re-entering the tank following stabilization. Tri-Party Agreement	600		

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTELLIGENCE LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmby	Workscope Desc	Justification	FY 95	FY 96	Add'l Target
Case: T						
1100- -	A2 4	SST Stabilization Field Support	milestone M-41-0, "Complete Single Shell Tank Interim Stabilization." SST pumping for stabilization including preparations for pumping. Field support includes crane and rigging, HPTs, QA/QC, management, etc. Tri-Party Agreement milestone M-41-0, "Complete Single Shell Tank Interim Stabilization."	5,700		
1100- -	A2 1	Safety Documentaion Upgrades	Safety documentation upgrades continue withy DST FSAR/TSRs preparations, revision of DST/ANF/SST interim OSRs and 242-A FSAR update. Upgrade Tank Farms safety documentation to meet requirements of DOE Order 5480.21/22/23. Needed for upgrading the Tank Farms safety envelope.	5,200		
1100- -	A2	Tank Farm Assessments (Utilities and Services)	Utilities and Services for Tank Farm surveillance/operations. Funding of electricity, steam/water, laundry, and solid waste burials is base safe operations.	11,400		
1100- -	A2 4	Tank Farm Facility Operations	Performs facility operations in 200 East/West areas. This includes routing/transfer of low-level waste, sampling, farm control, etc.	18,400		
1100- -	A2 2	Tank Farm Industrial Hygiene and Safety	Performs industrial hygiene monitoring and analysis of tank farms and personnel for a safe working environment. Regulatory requirement 29 CFR 1910-120, "Hazardous Waste Operations and Emergency Response," and OSHA required for worker protection.	4,100		
1100- -	A2 1	Tank Farm Plant Cognizant Engineering	Performs the System and Process engineering functions in tank farms required for continued safe operations. Engineering support is required for safe operations and maintenance activities in tank farms.	7,000		
1100- -	A2 2	Tank Farm Plant Operating Procedures	Maintains tank farm operational and administrative procedures. DOE Order 5480.19 requires review and/or revision of procedures every two years. A total of 524 procedures, 22 operator round sheets, 14 OSDs, and 14 OSRs will need to be reviewed and/or revised.	2,300		
1100- -	A2 2	Tank Farm Training	Tank Farm training supports base safe operations. includes operator and maintenance training program. Personnel training and qualification is required by WAC 173-303-330, "Personnel Training," which states the facility owner or operation shall provide a program of classroom instruction or on-the-job training for facility personnel. In addition, DOE Order 5480.20 mandates a formal training program.	6,400		
1100- -	A2 1	Tank Farms Coorrective/Preventive Maintenance	Performs coorrective/preventitive maintenance to maintain a safe operating configuration in tank farms. Maintenance is required for	23,600		

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: T						
1120-0-	Compressed Air System - Safety	A2 1	base safe operations and is a regulatory requirement. Safety Initiative 4b35. Complete compressed air system equipment assessment and replacement. Operate high maintenance compressors and instrument air piping which is inefficient and causes instrment damage and decreased reliability.	500		
1120-0-	Configuration Management	A2 1	System P&IDs, Component Labeling, and Master Equipment List (MEL) for all tank farms. Implement CM plan. Implement Design Base Document Reconstitution program.	1,400		
1120-0-	DST Qualification Life Extension	A2 4	TPA M-32. Provide the strategy to manage the Hanford waste tank system facilities and establish the service life of the facility systems, structures, and components. Service life of existing DSTs will expire without justification to continue use. Actual service life will not be managed and maximized.	1,000		
1120-0-	Field Verify Essential Drawings	A2 1	Safety Initiative # 4c42. CAD covert, field verify and release all remaining essential and support drawings for tank farms. Continue without fiedl verified drawings. Safety impact with drawings not verified to actural field configuration. Drawings unreliable for planning and operations.	2,000		
1120-0-	Resolve Site Electrical Assessment (Safety) Issues	A2 1	Correct remaining identified Site Electrical Assessment code deficiencies and future discovered deficiencies. DOE Order 6430.1A, General Design Criteria. Work with know electrical deficiencies. Provide the evaluations of power distribution system at the Tank Farms required for compliance with DOE order 6430.1A.	2,100		
1120-0-	Safety Initiative Alarm Panels Upgrade	A2 1	Safety Initiative #4a34. Upgrading old alarm systems with state-of-the-art equipment and new circuits. Removing old circuitry for no longer valid alarm systems. High maintenance alarm system with increased operator time for monitoring. Undesirable work environment with outdated and invalid alarm systems.	600		
1120-0-	Systems Engineering	A2 3	DOE Order 4700.1, DNFSB Recommendation 92-4, Grumbly Safety Initiative. System Engineering Requirements/Trade studies would be delayed or not met.	200		
1120-0-	TMACS Watch List Tanks - Safety	A2 1	Safety Initiative 2t27. TMACS for all Organic Watch List tanks. Connect temperature sensors in A, AX, and U Farms as well as Tanks B-103 and TX-105 to the Tank Monitoring and Control System (TMACS). Operators will maintain periodic rounds to take thermocouple readings as opposed to remote/continuous temperature monitoring of Watch List	2,400		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 56

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target
Case: T						
1120-0-	A2	3	tanks. Provide programmatic technical integration, planning, reporting, control, and management. Resources would be inadequate to effectively manage and direct the Upgrades Program activities.	2,000		
1120-0-	A2	1	Upgrade of facility lighting and SY and C Farms to provide adequate lighting during field activities. Safety concern that the current lighting does not provide adequate illumination during non-daylight hours.	100		
1120-6-	A2	1	Full scope upgrade of the instrumentation system, the supervisory control and data acquisition system for 177 tanks in tank farms. Delay of evaluation of current instrumentation and related equipment and integration with ongoing near-term upgrades and projects. High maintenance of inadequate and unreliable instrumentation. Higher operating costs and inefficiencies without centralized control.	5,800		
1120-6-	A2	1	Upgrade ventilation system of 28 DSTs to ensure that radionuclide and hazardous content of the exhaust vapors do not exceed regulatory limits. Delay in the evaluation of the condition of all DST primary and annulus ventilation systems and replacement/upgrade as required in support of the TPA. High maintenance and continued regulatory non-compliance.	4,100		
1120-6-	A2	1	Upgrade power distribution system beyond the incoming switchgear. Delay in upgrade of power distribution system in support of TPA. Outdated motor control centers, power cables, and junction boxes will continue to be used and maintained with electrical safety risk.	2,200		
1130- -	A2		Provides new laboratory procedures for Hanford laboratories. Individual new capabilities are based on DQO requirements.	1,286		
1130- -	A2		Provides new laboratory methods (hardware and software). Individual new capabilities are based on DQO requirements.	2,230		
1130- -	A2		Provides capabilities for in-tank measurements. Individual new capabilities are based on DQO requirements. This task includes DNFSB 93-04 commitment 3.13.	1,000		
1130- -	A2		Expands field sampling capabilities and improves recoverability of sample. Individual new capabilities are based on DQO requirements. This task includes DNFSB 93-05 commitment 3.16.	2,500		
1130- -	A2		Identifies technology development needs and transfers new capabilities to routine use. Individual new capabilities are based	2,500		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 57

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grnbly	Justification	FY 95	FY 96	Add'l Target

Case: T						
1130- -			on DQO requirements.			
1130- -	A2	4	Maintains the lab support facilities and personnel to be ready to analyze TWRS tank samples. Failure to fund this task will impede the ability to provide basic lab analysis for TWRS.	5,631		
1130- -	A2	4	Provides containers for sending samples offsite. Offsite labs are required to meet schedule commitments.	463		
1130- -	A2	4	Pays the 340 facility assessment. Use of the 340 facility is required for disposal of lab waste generated in the 300 area.	2,100		
1130- -	A2	4	This task improves lab capabilities to meet TWRS needs. Hotcell upgrades are needed to meet characterization requirements.	5,338		
1210-0-	A2	3	Provide program management, integration, baseline planning, budgeting and controls for retrieval technology, engineering, projects, and operations. Provides functional and technical requirements for the program. Provides for program interface, including regulators and stakeholders.	2,100		
2200-0-	A2	2	No changes in workscope and funding increase represents add'l Productivity Challenge Commitment.	15,261	306	
2200-0-	A2	3	No changes in workscope and funding increase represents add'l Productivity Challenge Commitment.	6,331	111	
2200-0-	A2	2	No changes in workscope and funding increase represents add'l Productivity Challenge Commitment.	3,149	53	
2250-0-	A2	2	No changes in workscope and funding increase represents add'l Productivity Challenge commitment.	895	13	
2300-0-	A2	1	Provides for LERF, ETF, and TEF Operations. Completes the readiness review activities for ETF (Project C-018H), TEF (Project W-049H), and BAT/AKART Implementation (Project W-291H). Impacts: TPA M-17 and M-26 milestones are missed and 242-A Evaporator is shutdown which impacts numerous TWRS milestones.	23,522		
2300-0-	A2	1	Provides readiness reviews, startup testing, systems engineering, and continued operations for 300 Area facilities. Impacts: TPA M-17 milestone would be missed resulting in either 300 Area facilities required shutdown or continued discharge of unpermitted liquid effluents to soil column.	8,318		
2300-0-	A2	1	Supports full operations with safety and training upgrades, conduct of operations, implementation, safety documentation modification, and tank integrity assessment completed. Impact: Non-operation would	5,016		

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	Justification		FY 95	FY 96	Add'l Target

Case: T							
2320-0-	a-WDS Safety Assurance	A2 2	shut down 300 Area labs and TPA M-44 milestones for core sampling would be missed. (Note: Work scope moved from T Plant into Liquid Effluents in FY 1994.) Continue correction of safety deficiencies for minimum safe status of facilities, continue facility training, update SARs, update and develop plant specific procedures, engineering/projects support to eliminate unsafe conditions and enhance facility safety, conduct of operations, routines/surveillances, radiological zone reduction, monitoring and operation of the PWR Core II spent nuclear fuel pool. Replace failed equipment and miscellaneous materials. (Continuous Air Monitors, Personnel Contamination Monitors, generators.) Upgrade T Plant's electrical system to be compliant with current codes and standards (NEC, OSHA), and to support the current mission and final		14,126	217	
2320-0-	b-T Plant Maintenance and Assessments	A2 2	Perform preventive maintenance, safety equipment calibration, winterization/summerization, critical repairs, maintenance engineering, and Job Control System for the minimum safe status of facilities. Target funding does not allow for increases in utilities: steam, electricity, water, laundry, and electric maintenance. Upgrade the T Plant Control room.		12,629	227	
2320-0-	c-T Plant Maintenance and Assessments (Waste Disposal and Compliance)	A2 2	Provide environmental engineering and compliance support in repackaging, treatment/repair, receiving and shipping of waste/equipment. Supports TPA milestones M-17-41 and M-17-42, which direct the discharge of liquid effluents to T Plant ditches be stopped, and M-20-51 for the submittal of T Plant's Part B permit application to Ecology and the EPA. Target funding does not allow for projected increases in waste volume and waste disposal rates.		3,188	73	
2320-0-	d-Liquid Waste Transfers	A2 1	Maintain and certify Liquid Waste Tank Cars (LWTCs). The LWTCs are the primary liquid waste transfer system for T Plant, the 340 Facility, and the 400 Area. 300 Area liquid waste is generated by PNL that performs sampling and testing activities of Tank Farm's liquid waste, supporting Tank Farms' TPA milestone M-44. The LWTCs also serve as backup for other Hanford site facilities whose primary liquid waste is hard piping. Target funding does not allow for possible increases in rail and track fees.		520	9	
2320-0-	e-Decontamination/Repair Services	A2 2	Provide decontamination and repair services for the Hanford site. Treatment services are essential to Tank Farms, Well Drilling and		3,100	4,127	

Case: T

Case	Sub	Workscope Desc	Priority	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
					Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its LLCE. The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste, "nonrepairable/nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA to be consistent with waste minimization and reduction.			
2320-0-	e-	Decontamination/Repair Services	A2	2	Provide decontamination and repair services for the Hanford site. Treatment services are essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its LLCE. The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste, "nonrepairable/nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA to be consistent with waste minimization and reduction.	2,550	940	
2320-0-	f-	Applied Technology and Equipment	A2	5	Procure and install the following equipment in support of decontamination activities: 1)FY95: ice blaster, chemical decontamination systems, and secondary waste treatment; 2) FY96: containment systems and hazardous storage units.	555	8	
2320-0-	g-	Process Planning (Project W-372, Long Length Waste Item Transfer Port Addition)	A2	3	Required to allow oversized waste equipment from the Hanford site, entry into the 221-T canyon for waste treatment. Supports Tank Farms' TPA milestone M-45. Necessary for the treatment of Tank Farms' LLCE waste which will be shipped from Tank Farms beginning in 12/95.	600	401	
3010-	-	RARA - Decon. Stabilization	A2	1	Stabilize waste sites in order to prevent migration of radionuclide contamination (ALARA). Project completion planned FY 1997.	2,962		
3010-	-	RARA S&M w/Herb application	A2	1	Control deep-rooted weed growth (i.e., sagebrush) and other unwanted vegetation (i.e., tumbleweeds) to prevent surface soil contamination.	4,342		
3010-	-	USTs	A2	1	Complete "orphan" tank remediation per WAC 173-303. No funding identified after FY 1995.	498		
3500-	-	Asbestos Abatement	A2	1	Provide safe work environment by eliminating ACM exposure. Completion of all know high-priority sites (A/B) planned FY 1998 per NESHAP.	2,801		

FY95/FY96 INTEGRATED EM PRIORITY LIST
BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target
Case: T							
3510- -	100 Area Common Act--Assessment	A2	1	Conduct S&M and Risk Assessment/Corrective Maintenance per DOE Order 5820.2A. Completion of all know high risk sites planned FY 1997.	9,744		
3520- -	232-Z/233-S Decon	A2	2	Remove contaminated equipment and Plutonium inventories in two facilities showing advanced stages of deterioration.	3,046		
3520- -	D&D S&M - 200 Areas	A2	1	Conduct S&M until final decommission of 200 Area facilities ensuring worker safety and health per DOE 5820.2A.	3,832		
3600- -	N Reactor	A2	1		1,700		
3600- -	N Reactor	A2	1		25,811		
4110-0-	Applied Technology	A2		Ensure that appropriate decisions about applicable technologies are made and that definable technology solutions are developed that are directly coupled to the SNF project needs. Significant reduction will severely impact the ability of Applied Technology group to meet its commitments. Technology needs are defined during the systems engineering analysis. Specifically treatment of basin water to remove tritium and technology development of a sludge retrieval/removal system will be delayed. These delays will impact reduction of personnel exposure and potentially add add'l insult to the environment due to basin leakage. This could also impact the	1,000	1,100	
4110-0-	Engineering and Systems Integration	A2		Establish technical baselines, produce systems, processes, and analyses which enable construction of facilities and physical remediation of spent nuclear fuels and their current facilities for the Hanford site. Would not be able to complete the characterization activities to support the schedule for removal of fuel and sludge from the K basins. This impacts TPA milestone M-33 which requires an agreed upon plan by 1996 for the removal of fuel by 2002. There would also be a delay of engineering necessary to provide consolidated interim storage and disposition of non K basin fuel. The preconceptual engineering studies supporting the FY 1997 Line	3,000		
4110-0-	Engineering and Systems Integration	A2		Lack of technical baselines impact the effective management of SNF projects and schedules.	7,300	1,200	
4110-0-	K Basins Electrical System Corrective Actions	A2	2	Failure to fund correction of these electrical deficiencies at K Area will result in unacceptable conditions in the field for both personnel and equipment, and failure to comply with DOE Order 6430.4A, Division 16, General Design Criteria-Electrical. These deficiencies represent significant liabilities in continued safe infrastructure support at K Area for both WHC and RL.	2,500	2,500	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 61

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	Justification		FY 95	FY 96	Add'l Target
Case: T							
4110-0-	A2 2	K Basins Operations	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include: plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and security.		25,399		
4110-0-	A2 2	K Basins Operations	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include: plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and security.		5,744		
4110-0-	A2	PNL Support for Fuel Characterization and EIS	Support fuel characterization for the W Reactor and other Hanford fuels for the disposition of the fuel. Also included is support for the EIS preparation. Provide support necessary to meet TPA milestones for Characterization, EIS, and disposition of the fuel.				
4110-0-	A2	Project Baseline Control	Impacts ability to establish and maintain credible budget baseline and Project Control/reporting requirements. Also impacts outyear forecasting.		1,500		
4110-0-	A2	Regulatory Integration and Public Involvement	Funding is needed to provide for the Public Involvement activities and Regulatory and Safety basins for current and future spent fuel disposition alternatives.		1,200	1,300	
4190-0-	A2 2	B Plant Operations	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include: management, systems surveillances and maintenance, engineering, health and safety, assessments, and security.		26,844		
4190-0-	A2 2	B Plant Operations	Incremental funding would be provided to support minimum safe requirements including plant management, training, and high energy system repairs. If unfunded, the risk of electrical and mechanical failures would increase, add'l risk would be incurred from having untrained personnel and plant management staff who would not be available to support daily operations, planning, reporting, and control.		6,800	2,926	
4195-0-	A2 2	Cesium Capsule Recovery Program Support	If unfunded, program management and technical support for cesium capsule program would be eliminated. Surveillance of cesium capsules stored at PNL would not be provided. FSAR requirements for surveillance of the capsules would not be met.		1,234		
4195-0-	A2 6	Cesium Capsule Return	If not funded, WESF cesium capsules would not be returned from IOTECH and ARECO resulting in DOE commitments to State of Colorado and the NRC would not be met.		200	100	**

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target

Case: T						
4195-0-	A2 6	Cesium Capsule Return	If not funded, WESF cesium capsules would not be returned from IOTech and ARECO resulting in DOE commitments to State of Colorado and the NRC would not be met.	2,800	2,900	**
6603-0-	A2 3	DOE-RL Field Support	Human radiation test/declassification effort	41,543		
6620-0-	A2 3	Facility Operations Program and Environmental Management	If not funded, Program Management and financial management staff required for current and outyear planning, control, and reporting would be eliminated. Also eliminates program operations and maintenance improvements support, non-plant specific safeguards and security, and EM-60 off-site representative.	5,908		
6622-0-	A2 2	PUREX Surveillance and Maintenance	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.	33,104		
6623-0-	A2 2	300 Area Fuels Surveillance and Maintenance	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.	4,530		
6623-0-	A2 2	313 Building Demolition	The roof on south portion of the 313 building can collapse. Studies indicate demolition as the most cost effective solution to eliminate safety hazard. If unfunded, unacceptable safety hazard would remain, which could cause costly emergency action and/or serious injury to employees, including death.		4,800	**
6623-0-	A2 2	313 Building Demolition	The roof on south portion of the 313 building can collapse. Studies indicate demolition as the most cost effective solution to eliminate safety hazard. If unfunded, unacceptable safety hazard would remain, which could cause costly emergency action and/or serious injury to employees, including death.		200	**
6624-0-	A2 1	Interim Actions (awaiting EIS outcome)	Funds a portion of the required \$7.8M PFP Interim Actions. Includes the reactive materials sludge drying, L-10 transloading and radiation zone cleanup for dose remediation. Impact of not funding would be continued safety risks incurred by plant personnel.	5,100		
6624-0-	A2 2	PF Plant Surveillance and Maintenance	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.	64,187		
6624-0-	A2 2	Pre-Stabilization Safe Standby	The PFP is not in a viable condition to be put in a long-	6,200		

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)	(\$,000)	Productivity\
			RL	Grmbly		FY 95	FY 96	Add'l Target
Case: T								
		Activities			term/permanent safe standby mode. Until all nuclear materials are stabilized and vaulted, PFP is required by Nuclear Material Accountability and DOE Order Compliance to safely "care for" all SNM in the plant. If not funded, an unacceptable risk would remain for the plant personnel and the public. As the systems and equipment of the PFP continue to deteriorate and age these needs are exacerbated.			
6624-0-		Pre-Stabilization Safe Standby Activities	A2	2	The PFP is not in a viable condition to be put in a long-term/permanent safe standby mode. Until all nuclear materials are stabilized and vaulted, PFP is required by Nuclear Material Accountability and DOE Order Compliance to safely "care for" all SNM in the plant. If not funded, an unacceptable risk would remain for the plant personnel and the public. As the systems and equipment of the PFP continue to deteriorate and age these needs are exacerbated. In FY 95, \$6.2M is funded through productivity commitment.	11,743		
6640-	-	Defueling (Casks)	A2	2	Delay in achieving FFTF shutdown		2,204	
6640-	-	FFTF Base (minsafe)	A2	2	Safe facility requirements not achieved	28,300		
6640-	-	FFTF CENTRC (minsafe)	A2	2	Safe facility requirements not achieved	400		
6640-	-	FFTF SAS (minsafe)	A2	2	Safe facility requirements not achieved	2,600		
6640-	-	FFTF Shutdown Project Office	A2	2	Direction and coordination of shutdown effort not provided.	900		
6640-	-	Fuel offload	A2	2	Delay in achieving FFTF shutdown		1,900	
6640-	-	Fuel offload	A2	2	Delay in achieving FFTF shutdown		7,000	**
6640-	-	Fuel offload	A2	2	Delay in achieving FFTF shutdown	9,000		
6640-	-	Na/Nak Removal and System S/D	A2	2	Delay in achieving FFTF shutdown		1,000	
6640-	-	Na/Nak Removal and System S/D	A2	2	Delay in achieving FFTF shutdown	1,000		
6640-	-	Support/Electrical S/D	A2	2	Delay in achieving FFTF shutdown		5,900	**
6640-	-	Support/Electrical S/D	A2	2	Delay in achieving FFTF shutdown	5,900		
6641-	-	308 Bldg O&M	A2	2	Delays 308 bldg closure	500		
6642-	-	Fuel Storage Casks	A2	2	Delay in achieving FFTF shutdown.	4,296	3,025	
6642-	-	Interim Storage Area	A2	2	Delay in achieving FFTF shutdown	300		
6642-	-	Sodium Storage Facility	A2	2	Delay in achieving FFTF shutdown		6,000	**
6660-0-		Program Integration--Landlord Program Management, Project Management, and Project Control	A2	3	Required by the Defense Authorization Act to prepare the FYP document. Contractors are required by RL to prepare an MYPP per RLIP 5000.2, Long Range Planning Process. DOE 4700.1 Proj. Mgmt. Sys. Chapter 3, Part A, Baseline Management requires preparation of a baseline document, i.e., FYWP. SMS and PTS reporting are required by RL and DOE-HQ. Change control is also a requirement of DOE 4700.1.	2,025		

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\	
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: T							
6660-0-	Program Integration-Site Planning	A2	3	The benefits to the program of performing these planning, control, and reporting activities include being able to develop scope and schedule . If funding is cut or eliminated, all the tasks associated with maintaining safe land use and infrastructure conditions on the Site would be abandoned. A very high potential for TPA impacts would exist as land use and site selection controls would be abandoned. life cycle planning for old and deteriorating infrastructure systems would be impossible and no follow through on the Infrastructure Transisiton Initiative strategies would occur.	1,775		
6665-0-	Expense Funded Projects - SARs	A2	2	Safety documentation for PNL facilities does not meet the requirements of DOE Orders and Tiger Team Findings document significant deficiencies in exiting SARs for both nuclear and non-nuclear facilities. The compliance plan developed for the SARs and TSRs is not being met due to lack of funding. PNL overhead has been used to gain limited progress. Funding in this activity is crucial to the progress of the work. The viability of continued use of compliant safety documentation. Activities within PNL directly supports waste tank safety, waste technology, and environmental cleanup. Not funding this work will result in increased PNL overhead	1,000	1,500	
6665-0-	General Purpose Facilities Roof and HVAC replacements	A2	2	Most of Hanford general purpose facilities are over 30 years old. The roofs HVAC equipment of these facilities have long outlived their useful life. Roof leaks have resulted in structural damage causing unsafe conditions. leaks also impede activities conducted in the facilities including damaging equipment. Failed/inadequate HVAC results in inhabitable facilities and damage to sensitive electronic equipment. The older HVAC systems were never intended to meet today's requirements. FY 96 incremental work at the target level includes design development for replacement of the 284-E building roof, apprx. 34,000 sq.ft.	2,805		651
6670-0-	Capital Equipment--Project Identification and Scoping	A2	2	The benefits to the program of this activity are the development of schedule and technical scope, coordination of the Capital Equipment Review Board Meeting, and monitoring performance to assure completion of scope and reduction of uncosted/uncommitted balances.	105		
7100- -	d-Facility Operations	A2	1	Assessment to the TWRS program to support base operations.	(5,000)		
7100-0-	a-222S Facility Operations	A2	1	This activity provides for the routine operation, maintenance, and	27,500		2,351

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmblly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target
Case: T						
			repair of all facilities and equipment associated with the 222-S Laboratory Facility Complex to keep the facility in a ready-to-serve mode.			
7100-0-	A2 1	b-325 Facility Operations	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the 325 Laboratory Facility Complex to keep the facility in a ready-to-serve mode.	11,900	700	
7100-0-	A2 1	c-WSCF Operations	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the WSCF Complex to keep the facility in a ready-to-serve mode.	9,897		
7100-0-	A2 1	e-Facility CENRTC	Capital equipment required to replace existing and obsolete equipment to support the ready-to-serve configuration.	3,100		
7100-0-	A2 3	f-Program Integration	Supports Hanford Analytical Services program management and integration, and Quality Assurance.	3,230		
7100-0-	A2 1	g-Auxiliary Labs	Provides for the routine operation, maintenance, and repair of the 2703E and 1706KE Laboratories in a ready to serve mode.	1,130		
7340-0-BA	A2 2	Environmental Effluents (NPTs)	Clean Air Act, 40CDR61/Unmonitored gaseous emissions	1,060		
7340-0-BA	A2 2	Environmental Surveillance-Stabilized Sites	Ensure containment of contamination/Increase risk of contamination	1,025		
7360- -	A2	Coal	Needed to power 200/300 Area Steam Plants.	27		
7360- -	A2	Process Spares	Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.	100		
7360- -	A2	Process Spares	Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.	200		
7360- -	A2	Process Spares	Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.	439	54	
8400-0-DA	A2 2	Waste Management Operations	Regulatory requirement to manage PNL hazardous and radioactive wastes. If not funded, fines may result for violations of numerous environmental and safety regulations.	3,771		
8400-0-FA	A2 2	242B/BL & 2718E PNL Lab Surveillance and Maintenance	Regulatory requirement for regular inspections to maintain safe storage of unmanned, contaminated lab spaces. If not funded, would increase safety risks to an unacceptable level.	92		
8400-0-MA	A2 2	Effluent monitoring	Regulatory requirement for monitoring PNL air and liquid effluent	3,413		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 66

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target
Case: T							
8400-0-NA	Essential ES&H drawings	A2	2	streams to verify compliance. Includes effluent path verification, stream characterization, sample collection and analyses, mobile field monitoring, and operation and maintenance of sampling/monitoring systems. If not funded, fines may result for violations of environmental laws and facilities may be forced into shutdown. Provides as-built drawings for the Hazard Class II Buildings safety systems modifications and investigations of occurrences. If not funded, health and safety hazards in the facility will not be corrected adequately.	830		
8400-0-OA	Facilities, Safety and Conduct of Operations	A2	2	Regulatory requirement for testing eyewash and safety shower flush lines, asbestos survey and remediation, and MSDSs. If not funded, unacceptable worker safety conditions could occur when using eyewash stations due to rust in the lines or when exposed to asbestos or hazardous chemicals.	2,233	2,215	
8400-0-TA	324 Bldg Hot Cell Facility Surveillance and Maintenance	A2	2	Regulatory requirement for regular inspection of radioactive materials and safety systems. If not funded, significant worker safety issues and the potential for a release of radioactive material to the environment would increase.	2,750		
8410-0-BA	327 Bldg. Surveillance and Maintenance	A2	2	Regulatory requirement for regular inspection and safe storage of radioactive materials. If not funded, would create unacceptable safety risks. The potential for worker exposure and release of radioactive materials to the environment would increase.	1,763	1,396	
1100- -	Issues/Corrective Action Management	B1	2	Facilitates corrective action management for TWRS on existing and emerging safety, environmental protection, and conduct of operations conditions. Required in order to perform risk evaluations, root cause analysis, performance evaluations, and issue closures.	1,800		
1100- -	QA/QC	B1	1	Provides environmental safety, health, and quality assurance support to routine tank farm operations and maintenance activities. DOE Order 5480.1B requirement which establishes the environmental protection, safety, and health programs (ES&H) requires quality assurance and control functions.	2,000		
1100- -	Tank Farm Security	B1	1	Administers physical and industrial security measures supporting the Tank Farm complexes. Security requirements per DOE-N-30.3A. In addition, WAC 173-303-310, "Security," requires control access and monitoring.	400		
1120-0-	Liquid Waste Minimization Upgrades	B1	1	TPA M-17. Modify facilities to minimize effluent waste water	1,700		

4/19/94

9:54 am

FY95/FY96 INTEGRATED EM PRIORITY LIST

Page 67

Table: Pri96.db

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Report: #1

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: T							
				generation to meet TPA milestone M-17. Effluent waste water will continue to be generated with limited storage space and environmental impact.			
1120-2-	W-030 AY/AZ Primary Ventilation	B1	1	Replace primary ventilation sytem for AY/AZ tank farms in compliance with TPA milestone M-34-01. Operate systems and components which have exceeded their design life. Failure to comply with congressionally directed DOE plan to discontinue disposal of contaminated liquids to soil column (processing cooling water).	1,000		
1120-4-	W-058 Cross Site Transfer System	B1	1	Provide encased pipelines to connect the SY Tank Farm, 200 W, to the 200 E tank farms in compliance with current codes and regulations. Operate existing system which does not conform to all current regulatory requirements and has a questionable life.	21,800		
1120-6-	W-314C Waste Transfer Lines	B1	1	Upgrade inter-area waste transfer system to ensure compliance with RCRA and WAC leak detection requirements. Delay in completion of compliant transfer lines and integration with the future cross-site transfer system.	3,900		
1120-7-	W-028 Aging Waste Transfer Line	B1	4	Required to provide a reliable long-term high heat liquid waste transfer sytem from B Plant to treatment facilities. The existing waste transfer system is not in compliance with 40 CFR 264 and current DOE orders. Continued use of the present system could result in potential safety and health hazards during pretreatment and removal of B Plant waste.	4,700		
1130- -	Analyze Supernate Sample (DST Part B Permit)	B1	4	This task analyzes DST supernate samples. Supernate analysis are required for the RCRA part B permit approval.	4,301		
1130- -	Analyze Supernate Sample for SST Stabilization and 242-A Evaporator Operation	B1	4	This task analyzes supernate samples. Supernate analysis are required to support 242-A evaporator operation and SST stabilization.	2,300		
1130- -	Sample supernate to support RCRA and process DST requirements	B1	4	Collects samples of double-shell tank supernate. The hazardous waste permit specifies sampling requirements. Add'l samples are required to support 242-A evaporator operations.	2,951		
1200- -	Business management	B1	3	Prepare TWRS Master Site Plan based on known conformation or best assumptions from individual projects. Provide minimum business management for all TWRS projects. Increased cost in TWRS projects due to duplication and mismatches and non-compliance with DOE 4700.1.	1,736		
1200- -	Compliance Coordination	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance;	293		

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority		(\$,000)	(\$,000)	Productivity\	
Ads# Act	RL Grmbly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target

Case: T						
1200- -	B1 5	Configuration Management	establishing the ESH&QA self-assessment programs; defining the environmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	125	31	
1200- -	B1 2	Define Compliance Requirements	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	155		
1200- -	B1 2	Establish Requirements Envelope	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	1,341		
1200- -	B1 6	Mapping and Marking	Mapping of underground lines carrying dangerous waste is required by the Dangerous Waste Permit. Lines outside of Tank Farms will not be marked placing WHC in violation of Permit and subject to fines.	828		
1200- -	B1 5	Program Management and Support	Essential program management of TD and overall integration of technology needs; supports, TDPO to manage the TWRS integrated technology planning and technology groups in TWRS functional areas. Without coordination and planning, technology development will increase in cost and fail to meet the needs of the TWRS program. Lack of commercial and academic sources built subject the program to further criticism for lack of participation.	4,236		
1200- -	B1 5	Program Planning	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current	5,984		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 69

Sub	Priority							
Ads#	Act	Workscope Desc	RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: T								
					levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.			
1200-	-	Self Assessment Program	B1	5	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the environmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	318		
1200-	-	Site Integration	B1	3	Prepare TWRS Master Site Plan based on known conformation or best assumptions from individual projects. Provide minimum business management for all TWRS projects. Increased cost in TWRS projects due to duplication and mismatches and non-compliance with DOE 4700.1.		1,004	
1200-	-	System Engineering Tools	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding lievel could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.	444		
1200-	-	Systems Engineering Management Plan	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding lievel could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.	536		
1200-	-	Systems Engineering Management Plan	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding lievel could drop the effort below a critical mass. Add'l reductions to the ability to	475		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 70

Sub	Priority		(\$,000)	(\$,000)	Productivity\	
Ads# Act	RL Grmbly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target

Case: T						
1200- -	B1	TWRS EIS	produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met. The ROD is required to start design for pretreatment, LLW, and MLW facilities. Delaying preparation will cause delays in initiating design of the 3 plants (TPA milestones) and related follow-on milestones.	5,747		
1200- -	B1 5	Technology Development and Program Office	Essential program management of TD and overall integration of technology needs; supports, TDPO to manage the TWRS integrated technology planning and technology groups in TWRS functional areas. Without coordination and planning, technology development will increase in cost and fail to meet the needs of the TWRS program. Lack of commercial and academic sources built subject the program to further criticism for lack of participation.	2,482		
1200- -	B1 5	Test/Evaluation Management	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.	92		
1200- -	B1 2	Total Quality Management	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the environmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	633		
1210- -	B1 3	D/C/T Arm Based SST WR Demo	Provide the design/construction, procurement, and installation of the waste retrieval systems necessary to complee retrieval of tank 241-c-106, folling sluicing operations. Provides for the testing and demonstration of long-reach manipulator retrieval systems and the devlopment of such a retrieval system. If not funded, delay to milestone M-45-03.	1,000	8,200	**
1210-0-	B1 5	D/C Small Volume WR System	Design, develop, and provide a pilot-scale retrieval system to obtain	700	700	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 71

Sub Ads# Act	Workscope Desc	Priority RL Grmby	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: T						
			small volumes of tank waste materials or planned scale test facilities supporting waste pretreatment process testing, bench-scale melter testing, in-tank sludge washing tests, and other pretreatment/disposal activities. Delays to pretreatment and disposal project designs.			
1210-0-	D/C and Perform SST Barrier Feature Tests/Demo	B1 2	Provide the feasibility study, development, procurement, site modification, construction, installation, and performance testing of small scale sub-surface confinement system for SSTs. Meet TPA and safety initiative milestones. Delays TPA milestone M-45-07.	3,100	4,600	**
1210-0-	Define Arm-Based SST WR Project	B1 3	Define and establish the first arm based retrieval project engineering trade studies necessary to bound project scope, establish functional requirements, complete the engineering study and project documentation necessary to obtain key decision 0. If not funded, may delay TPA milestone M-45-03.	3,300		
1210-0-	Define Characterization Needs/Develop Simulants	B1 1	Provide and maintain data quality objective (DQO) for the retrieval program. Develop simulants which match the selected physical and/or chemical properties selected to characterize the performance of retrieval equipment/processes. Precedes pump tests. Delay DST retrieval projects design.	800	1,000	**
1210-0-	Define Initial DST WR Systems Project	B1 3	Prepare engineering trade studies, assessments, project definition, and project level functions and requirements. Perform systems engineering assessments of needs and interfaces with other TWRS elements. Prepare test and evaluation plan. Delay DST retrieval projects design.	200	500	**
1210-0-	Define Initial SST WR Support Service Facility	B1 3	Define and establish the waste receiver and support facility requirements necessary to provide the SST retrieval system operations for the first tank farm. Provide requirements to Tank Farm upgrades. Delay upgrade projects and TPA milestone M-45-04.	200	200	**
1210-0-	Define Initial SST WR System Project	B1 3	Define and establish the initial SST retrieval systems. Include the engineering trade studies necessary to bound project scope and select retrieval technologies for specific tanks. Establish functional, technical, and design requirements, and complete the ES and project documentation necessary to obtain key decision 0. Impacts TPA milestone M-45-04.	700	1,500	**
1210-0-	Define SST WR Training/Test Requirements	B1 3	Define and develop the SST retrieval systems training and test requirements to support retrieval of all 149 SSTs. Prepare functions	300	800	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: T								
1210-0-		Define WR Infrastructure Requirements	B1	2	and requirements, evaluate facility options, preform trade studies, and complete the engineering study. Delay to TPA milestone M-45-04. Define the tank farm and supporting infrastructure requirements necessary to acheive mission and objectives. These requirements will be provided and integrated with the Tank Farms upgrades program. The requirements include electrical power, lighting, compressed air, tank ventilation systems, and waste transfer interfaces. Delay upgrade projects and TPA M-45-04.	300	100	
1210-0-		Develop Enhanced SST WR Technologies	B1	4	Identify, develop, and evaluate enhancements to the reference SST retrieval systems that require expanded capabilities to address tanks with saltcade and in-tank hardware. Sluicing enhancements will be evaluated to improve sluicing retrieval performance, reduce cost, and reduce tank leakage potential. Delay TPA milestones M-45-04.	900	300	
1210-0-		Develop Enhanced SST WR Technologies	B1	4	Identify, develop, and evaluate enhancements to the reference SST retrieval systems that require expanded capabilities to address tanks with saltcade and in-tank hardware. Sluicing enhancements will be evaluated to improve sluicing retrieval performance, reduce cost, and reduce tank leakage potential. Delay TPA milestones M-45-04.		700	
1210-0-		Develop/Test Enhanced Alt DST WR Systems	B1	5	Define requirements for retrieval of high shear strength DST sludges. Identify candidate systems to improve the performance, cost, or operational efficiency over existing mixer pump based systems. Define, develop, and procure improved mixer pump designs as a cooperative activity with Savannah River site. Provide data to support design of DST retrieval projects. No improvements in reliability to current DST baseline system.	600	700	
1210-0-		Develop 1st generation arm-based systems (EM-50)	B1	5	EM-50 funded activity. Provide specification input and evaluation criteria. Delay W-340 project demo and M-45-03.	100	100	
1210-0-		Evaluate Alt. SST Tech	B1	2	Evaluate alternate approaches to SST retrieval. Establish a competitive system development approach through an industry "fly-off" concept.	700	800	
1210-0-		Evaluate and Test SST Leak Detection Methods	B1	2	Provide leak detection and monitoring system functions and requirements, evaluate the available technologies, and select technologies for engineering development/testing. Test the selected technologies. Provide the leak detection and monitoring system. Potential delay to start of sluicing and TPA milestone M-45-04.	1,500	2,000	
1210-0-		Perform DST WR Process Test	B1				300	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target

Case: T						
1210-0-	B1 1	Perform DST WR Process Test	Prepare the test plan for the retrieval process test in tank 101-AZ. Train personnel. Perform the operational readiness reviews and perform the test. Delay to pretreatment activities and DST retrieval projects design.	8,600	300	
1210-0-	B1 6	Prepare Closure Reg. Requirements Assessment	Prepare analysis of federal and state regulation to identify issues relating to closure of SSTs. Update SST closure work plan. Delays TPA milestone M-45-06.	300		
1210-0-	B1 4	Test/Analyze Mixer Pump Performance	Define test program to demonstrate mixer pump performance. Develop analytical models to provide basis for predicting performance of waste retrieval equipment. Provide appropriate scale test facilities to demonstrate retrieval equipment performance. Provide data to develop and/or verify designs of DST waste retrieval projects. Delay DST retrieval projects design.	4,000	4,000	
1220- -	B1 4	Conduct System Engineering and Trade Studies (Part II)	Needed to provide a final design description with sufficient detail to provide a firm technical basis for follow-on design activities. Delays start of design activities for LLW and HLW pretreatment facilities.	1,200		
1220- -	B1 3	Conduct project engineering and management	To provide project oversight and integrate project activities. Integration of project activities and project reporting would be adversely affected.	4,200	4,600	
1220- -	B1 4	Define F&R for HLW Pretreatment Facility	Needed to support waste treatment prior to processing LLW pretreatment facility. Adversely impacts TPA milestone M-50-01T01 in FY95 and potentially delays LLW processing; ineffective cesium removal also increases the need for shielding in the LLW vitrification plant.	3,100		
1220- -	B1 4	Define F&R for HLW pretreatment facility	Needed to support waste treatment prior to processing in LLW pretreatment facility. Adversely impacts TPA milestone M-50-01T01 in FY95 and potentially delays LLW processing; ineffective cesium removal also increases the need for shielding in the LLW vitrification plant.	500		
1220- -	B1 3	Define F&R for In-Tank Processing	Needed to ensure that in-tank washing is implemented to support HLW pretreatment as scheduled. Jeopardizes meeting TPA milestone M-50-04. (Start hot operations of HLW pretreatment facility.)		565	**
1220- -	B1 3	Define F&R for In-Tank Processing	Needed to ensure that in-tank washing is implemented to support HLW pretreatment as scheduled. Jeopardizes meeting TPA milestone M-50-04. (Start hot operations of HLW pretreatment facility.)	500		

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target
Case: T						
1220- -	B1 3	Define F&R for LLW Pretreatment Facility (Part II)	To provide FDC documents necessary to initiate projects. Function and requirements would not be available for the initiation of design activities.	2,000		
1220- -	B1 4	Develop Flowsheets and Applied Tech. Evaluation (B)	Needed to support effort to determine whether advanced sludge separation processes are required M-50-03. Jeopardizes completion of milestone and delays or creates great uncertainty for the LLW/HLW pretreatment plants and possibly LLW/HLW vitrification plants.	1,200		
1220- -	B1 4	Develop/Evaluate Organic Complexant Destruction Technology	Support the Title I design of the LLW pretreatment facility and reduces the technical uncertainty of how much organic destruction capability must be provided. Either the capability for organic destruction would be delayed for the second LLW pretreatment module or management would have to assume that blending would have to address any problems that arose in the future.	1,600		
1220- -	B1 4	Develop/Evaluate Solids/Liquids Separations Alts	Data from these tests will be used in trade studies that determine the acceptability of enhanced sludge washing, supporting M-50-03. Lack of this work jeopardizes the operation of the LLW pretreatment and potentially increase the volume of waste that will go to HLW vitrification.	10,400	10,392	**
1220- -	B1 4	Develop/Evaluation sep tech for other rads (Part I)	Needed to support waste treatment prior to processing in either HLW or LLW facilities. Potentially delays LLW processing.	3,800	3,800	**
1220- -	B1 4	Develop/evaluate sludge treatment alternatives	Support of activities to reduce HLW glass volumes and supports completion of TPA milestone M-50-03. Delays completion of milestone.	1,900	2,200	**
1220- -	B1 4	Hot test facility activities	Need for pilot scale testing of the pretreatment processes using real waste is necessary for facility design and process validation. management assumes significant cost, schedule, and technical risk that the LLW and HLW pretreatment plants can successfully operate if such test information is unavailable.	7,111	17,052	**
1220- -	B1 4	Hot test facility activities	Need for pilot scale testing of the pretreatment processes using real waste is necessary for facility design and process validation. management assumes significant cost, schedule, and technical risk that the LLW and HLW pretreatment plants can successfully operate if such test information is unavailable.	2,889		
1220- -	B1 4	LLW pret mod I fac pret for startup phase I	Supports hot operations of LLW pretreatment module, TPA milestone M-50-02. Ensures staffing, training, and other operations requirements are addressed in a timely manner. Delay hot operations of the LLW pretreatment module, TPA milestone M-50-02.	200	219	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target

Case: T						
1220- -	B1 3	Perform Technical Integration and Planning	Provide program oversight and integrate pretreatment activity requirements. Planning and program element management would not be performed.	3,000		
1220- -	B1 4	Prepare Advanced Conceptual Design (ACDR)-LLW	Needed to support Title I design. Delay of Title design and M-50-01-T02.	7,500		
1220- -	B1 4	Prepare Conceptual Design (CDR)-LLW Mod 1	The CDR is needed in order to initiate Title design and meet TPA milestone M-50-01-T2. Title design would be delayed, delays completion of M-50-01-T2.	9,200		
1220- -	B1 4	Prepare PSAR - LLW Mod 1	Complete PSAR is needed to start construction. Delay start of construction, impacting TPA milestone M-50-01.	300	532	
1220- -	B1 4	Prepare PSAR - LLW Mod 2	Complete PSAR is needed to start construction of Mod II. Delay start of construction of Mod II.		89	
1220- -	B1 4	Prepare PSE - LLW MOD 1	Hazard and potential consequences data is needed during definitive design for prevention and migration of potential accident consequences. Delay of definitive design and other facility permitting.	400		
1220- -	B1 1	Prepare PSE - LLW Mod 2	Hazard and potential consequences data is needed during definitive design for prevention and migration of potential accident consequences. Delay of definitive design and other facility permitting.	400	154	
1220-2-	B1 4	Prepare Advanced Conceptual Design (ACDR) -HLW	Conceptual design needed to support definitive design. Ensures timely incorporation of solids/liquids separation and sludge processing technologies. Delay of CDR activities could delay start of definitive design, TPA milestone M-50-04-T02, or cause increased risk associated with uncertainties in technology development.	1,300	3,173	**
1220-2-	B1 4	Prepare Conceptual Design (CDR) - HLW	Supports completion of TPA milestone M-50-04-T01, CDR HLW pretreatment facility. Concurrent design with CDR LLW pretreatment facility ensures proper and timely integration of requirements. Creates possible disconnect between design of LLW pretreatment and HLW pretreatment (e.g., both LLW and HLW handling in each facility).	3,000		
1220-2-	B1 4	Prepare PSE - HLW Pretreatment Facility	Hazard and potential consequences data is needed during definitive design for prevention and migration of potential accident consequences. Delay of definitive design and other facility permitting.		290	
1230- -	B1 4	Conceptual Design	Conceptual design activities include development of a CDR including the cost and schedule information required for key decisions 1 and 2. Impacts TPA milestones M-60-03 and 04.	12,420	14,900	**

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 76

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	Justification		FY 95	FY 96	Add'l Target

Case: T							
1230- -	B1 4	Disposal Systems	Technology studies to support disposal systems engineering studies and designs. provide technical input to PA. This work is necessary to eliminate the conservatism in the PA and better reflect the longterm performance. Determination of the best disposal system for LLW glass will be delayed which will impact the PA and design/construction of disposal facilities. This will impact ORR since disposal systems will not be available.		311		
1230- -	B1 1	Grout Facilities	Compliance with TPA milestones to maintain facilities in standby. The withdrawal of funding for the Grout Facilities would violate stated and federal requirements for an operational facility. From a regulatory perspective, Grout is an operational (albeit standby) facility as stated in the TPA. Minimum regulatory requirements for an operational facility include periodic inspections, personnel training, reporting, and recordkeeping.		932		
1230- -	B1 5	Integrated Process Systems	Performance of technology assessment of all unit operations associated with the LLW vitrification facility. The primary focus will be on melter support systems (off-gas, feed systems, product handling, recycle systems, etc.). Delaying integrated process systems will delay the design of vitrification system. This includes items such as off-gas, feed handling, and glass handling systems. Delay to TPA milestones.		1,863		
1230- -	B1 4	Maintain Technical Basis Documentation	Develop a methodology and plan for media handling for the LLW disposal program. This will provide a system to track and recover documents and other written communications. Retrieval of key program documentation is essential to defend startup and disposal decisions. Lack of funding in FY95 and FY96 will increase the programmatic risk and delay this implementation. It is prudent to set up a system like this at the start of the program.		621	600	
1230- -	B1 5	Matl. Properties Handbook Database	Establish database for LLW to include formulation, simulant, glass types, leach rates, glass quality, and etc. Publish glass properties handbook with pertinent data. Impact would be delay issuing handbook and having a database for project participants to work from using same basis. This means a mismatch between design, PA, permitting.		207		
1230- -	B1 5	Melter Technology Selection	Evaluate the ability of different melter technologies to vitrify low-level waste. Activity will span FY 94 thru FY96. Develop melter technology selection criteria, perform melter testing of multiple		20,286		

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target

Case: T						
			technologies with outside vendors and select the optimum melter technology for the vitrification of LLW. Will not meet the TPA milestones for melter testing and selection of a melter system. This impacts the selection of 1996 of vitrification which impacts start of design construction, permitting. The impact would be a day-and-one-half-day-for-day delay.			
1230- -	B1 5	Misc. Technology Studies	Development of handling techniques for vitrified product, waste form placement and etc. Where an engineering solution is not apparent, development of new technology will be developed. Impact would not allow looking at and evaluating privatization proposals, evaluations of activities by other sites or DOE that could be used by LLW. Impact would be an increased risk that items mentioned would not be resolved in a timely manner.	414		
1230- -	B1 4	NEPA Documentation	Support preparation of the data packages going to TWRS EIS contractor. Completion of the data packages is necessary for the EIS contractor to complete the EIS and calculate impacts of the TWRS program to the public. The EIS is on the critical path for the LLW program. Lack of funding for those critical path activity will have negative schedule impact upon the LLW disposal program essentially day for day.		311	
1230- -	B1 4	Non-Vitrifiable LLW Systems	Results in the information required to generate the basis for stabilization, treatment, and disposal of these non-vitrifiable products. Impact delays identification of technologies to handle waste streams that will not be captured in the LLW glass. Such as off-gas HEPA filters.	1,346		
1230- -	B1 4	Operations Preparation	This activity includes planning for plant operations. This will include training plans, staffing, staffing plan, startup plan, sampling plans, maintenance plans, operating plans, etc. Delay to TPA milestone M-60-05, Hot Operations.			1,300
1230- -	B1 4	Packaging Materials and Characterization	Ensure that vitrified LLW and waste packaging materials are compatible and all LLW PA requirements are met. Develop glass quality requirements. Impacts to funding would delay construction and design of disposal/storage facility by 3-5 years if we do not determine up front the proper type of matrix materials, characteristics of glass and matrix material to meet long term disposal. Will impact approval of PA.	1,967		

4/19/94

9:54 am

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 78

Table: Pri96.db

Report: #1

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification		FY 95	FY 96	Add'l Target
Case: T							
1230- -			Perform Engineering Review and Support	B1 4	Provide internal and external design review of LLW vitrification program documents. Lack of funding in FY 95 and FY96 will increase risk and acceptance of the designing information.	311	2,000
1230- -			Perform engineering studies, Select baseline	B1 4	This activity evaluates potential sites for locating the process and storage/disposal facilities for LLW vitrification in the 200 Areas. Site selection is required to initiate the project. Lack of FY95 and FY96 would prevent issuance of the site selection report and would result in a day-for-day delay.	725	
1230- -			Permitting	B1 4	Development of Part A, initiate Part B, and other related and required permits supporting design and construction activities. Programmatic technical risk and delays to construction TPA milestone.	207	
1230- -			Preconceptual Design	B1 4	Follows up work from the Facility Ops Engineering study. The scope will also include assessing the inputs from the draft F&R documents and process flowsheets to prepare preconceptual design documentation, including block diagrams, HVAC, filtration and scrubbers, remote handling needs, transportation, cranes, electrical supplies and distribution, cold chemical storage and feed, compressed air, instrument air, etc. Lack of funding in FY95 and FY96 would impact the information detail available to the A/E through preconceptual design. Consequently, future costs would be impacted on a dollar-for-dollar basis. Risk would also increase for implementation of	725	
1230- -			Prepare Interim LLW Performance Assessment	B1 4	This task will prepare interim performance assessment to provide confidence before start of construction that the low-level waste disposal will pass DOE and public review. Lack FY 95 and FY 96 funding the interim LLW Performance Assessment will increase the risk to acceptance of the final disposal system design and waste form (cost and schedule risk).	725	600
1230- -			Prepare Performance Assessments	B1 4	Develop strategies for Performance Assessment activities and provide guidance on how PA activities could affect other parts of the LLW project. The PA is required for startup. Lack of funding for the PA will increase the technical risk to disposal design concepts, waste form, and public acceptance of the LLW vitrification program and potentially delay the startup of facility.	311	300
1230- -			Prepare Preliminary and Final LLW PA	B1 4	Complete the PA for review and approval by DOE-HQ and public review. The PA is required for startup. Lack of funding for the PA will delay completion of the PA. Lack of funding in FY 95 can be	3,933	4,800

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: T					
1230- -	Prepare Process Flowsheets	B1 4	104		
<p>compensated in 2001 through 2005 with some increased risk. Prepares LLW process flowsheets. This activity includes material balances, process description, assumptions, and rationales. This activity provides the technical basis for facility equipment, interfaces (utilities, process pipelines, etc.) and sizing. Failure to fund this activity in FY 95 and FY 96 would increase costs to the A/E in design, where this activity would need to be done. Lack of flowsheets would also increase risk of properly managed TWRS interfaces.</p>					
1230- -	Product Quality Acceptance	B1 5	700		
<p>This will define vitrification product quality criteria. This would delay how we monitor the waste form and disposal system, delaying the Part B permit.</p>					
1230- -	Project Definition Support	B1 4	311	1,000	
<p>This activity provides ongoing support to vitrification facility design and construction activities. Includes operability and maintenance interface, input to the project, and documentation review support. Impacts TPA milestone M-60-05, Hot Operations.</p>					
1230- -	Project Management	B1 3	1,863	2,200	
<p>Project management activities consist of change control administratin, baseline management, program pain development, configuration control, cost reporting, procedure preparation, personnel management, reports/presenations, and quality assurance oversight. TPA milestone M-60-03 will not be met, if not funded.</p>					
1230- -	Safety Analysis Reports/Permits	B1 4	414	600	
<p>SAR/permitting activities will provide documentation addressing significant safety aspects of the project and environmental documentaion addressing construction and operations. TPA milestone M-60-04 will not be met, if not funded.</p>					
1230- -	Safety Documentation	B1 4	311		
<p>Prepare Hazard Classifications for the preconceptual design activities in FY 95 and FY96. Lack of funding will place the program at technical risk for the future levels of design, validation, and safety implementation required of the program for startup.</p>					
1230- -	Simulant Development	B1 5	828		
<p>Definition of LLW vitrification feed specs. Develop and procure simulant for melter technology testing. The simulant development directly supports melter testing and delaying simulant delays testing of melters. Minimum of a day-for-day delay.</p>					
1230- -	Vitrification oversight/planning	B1 3	200		
<p>Provide management technical direction for all technically related activities (melters, simulants, formulation, pilot plant, etc.). This is an account for the technology group to provide support to the</p>					

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)	(\$,000)	Productivity\
			RL	Grmbly		FY 95	FY 96	Add'l Target
Case: T								
					program office. Impacts would be slow down planning, administrative activities, and implementation of technology strategy.			
1240-	-	Manage Project	B1	3	Support preparation for Key Decision 0. Needed for conceptual design, TPA milestone M-51-03-T01.		100	
1240-	-	Perform Feed Specs/Processability Assessment	B1	5	Provide assessment of the acceptability of waste glasses, limits on key glass components, and estimated volume of glass. This support facility conceptual design and impacts 1998 TPA milestone M-51-03-T01. Delay of 2 years if not funded.	600	700	
1240-	-	Perform HLW Process/Equipment Development and Testing	B1	5	Identify, test, and evaluate alternative process/equipment options to support melter system development testing and as preparation for conceptual design. This work is needed to evaluate balance of plant issues for each candidate melter and supports TPA milestone M-51-02. Delay of 3 years, if not funded.	2,900	3,100	
1240-	-	Perform HLW Program Management Activities	B1	3	Provide program planning HLW strategy, preparation of Program Element budget, schedule, WBS and plans, and change control. Interface with other Program Elements. This is necessary to plan the HLW program. Without this activity, the program will not be managed.	1,200	1,300	
1240-	-	Perform Initial Feed/Process Development	B1	5	Develop feed processes/chemistry in support of process/equipment development. This is needed to evaluate balance of plant issues and supports TPA milestone M-51-02. Delay of 3 years if not funded.	1,200	1,400	
1240-	-	Perfrom Initial Glass Formulation	B1	5	Develop and evaluate waste glass formulations based on HLW composition definition to support melter testing/evaluation, process equipment development/testing, pre-project systems trade studies, and preparation for conceptual design.	2,000	2,100	
1240-	-	Prepare HLW Process	B1	4	Develop HLW facilities scope and prepare functions and requirements for a HLW vitrification facility as preparation for conceptual design. This supports conceptual design and impacts TPA milestone M-52-03-T01. Delay of 2 years if not funded.	1,400	1,400	
1240-	-	Prepare HLW Process	B1	5	Perform trade studies on size and type of waste package (canister, cask, etc.), TRU waste disposal options, melter system options, facility configuration concepts, process/product control, and confinement systems. This supports conceptual design and impacts TPA milestone M-51-03-T01. Delay of 2 years if not funded.	2,500	4,500	
1240-	-	Prepare Waste Form Description Documentation	B1	5	Determine acceptability of waste form to the repository. Supports conceptual design of the facility, TPA milestone M-51-03-T01. Delay of 2 years if not funded.	200	400	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 81

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: T							
1240- -	Select Melter Candidates and Perform HLW Melter Testing and Evaluation	B1	5	Conduct testing including vendor testing, evaluation, and development as candidates for the HLW vitrification facility. Vendor testing includes benchscale melter systems for selection of 2 melter systems for further testing. This testing is necessary to select the reference melter in 1998 as required by TPA interim milestone M-51-02. Delay of 3 years if not funded.		8,166	
1240- -	Select Melter Candidates and Perform HLW Melter Testing and Evaluation	B1	5	Conduct testing including vendor testing, evaluation, and development as candidates for the HLW vitrification facility. Vendor testing includes benchscale melter systems for selection of 2 melter systems for further testing. This testing is necessary to select the reference melter in 1998 as required by TPA interim milestone M-51-02. Delay of 3 years if not funded.	5,200	434	
1280- -	Construct 6 New Tanks	B1	1		82,000		
2200-0-	Solid Waste Permitting and Closures	B1	6	No changes in workscope and funding increase represents add'l Productivity Challenge Commitment.	4,861	68	
2200-1-	Enhanced RMW Storage-Phase V (W-112)	B1	2	No changes in workscope and funding increase represents add'l Productivity Challenge commitment.	21,797	146	
2220-1-	WRAP 1 (W-026)	B1	2	This add'l funding will provide for preparation of the facility administrative configuration control. This level of funding is insufficient to support increasing staff levels to start-up the TRU line.		1,650	
2220-1-	WRAP 1 (W-026)	B1	2	This add'l funding will provide for preparation of the facility administrative configuration control. This level of funding is insufficient to support increasing staff levels to start-up the TRU line.	8,537	236	
2230-1-	WRAP 2A (W-100)	B1	3	At this funding level, efforts to Privatize Mixed Waste treatment are fully supported. If Privatization is unsuccessful resumption of the project is funded in FY97 at \$40M dollars, however, the project is delayed 20 months. The project funding is reduced assuming Privatization is successful in meeting the requirements of the M-19-00 milestone.	10,520	8,500	
2230-1-	WRAP 2A (W-100)	B1	3	At this funding level, efforts to Privatize Mixed Waste treatment are fully supported. If Privatization is unsuccessful resumption of the project is funded in FY97 at \$40M dollars, however, the project is delayed 20 months. The project funding is reduced assuming Privatization is successful in meeting the requirements of the M-19-		1,482	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: T						
2300-0-	200 Area Systems Engineering New Feed Definition	B1 5	00 milestone. Supports investigation and acceptance of potential new feeds into 200 Area ETF and TEDF for treatment and disposal. The ETF was designed to treat a wide range of dilute waste water streams. To allow the treatment of streams other than the 242-A process condensate, several complex regulatory and treatment train processing issues must be satisfied. Tasks include: Enhance ETF complex flexibility; waste water feed logic; ETF utilize/process eng. interface; and treatability-lab testing. Impacts: Potential for TPA M-13 and M-34 milestones to be delayed if logic defines ETF as appropriate treatment facility.	823	356	**
2300-0-	200 Area Systems Engineering-Tritium Study	B1 5	Evaluates tritium removal technology and prepares yearly status report. Impacts: TPA M-26-05 milestone would be missed.	134		
2300-0-	340 Facility 2nd Containment/Leak Detection (Project W-302)	B1 2	Provides for engineering to support FY 97 Line Item for replacement of the 300 Area Radiation Process Sewer and 340 Facility. Impacts: Non-compliance with WAC/RCRA for tank systems secondary containment and leak detection requirements. Possible fines or shutdown causing closure of 300 Area Facilities including labs and delaying TWRS TPA milestones associated with core sampling and safety investigations.	380		
2300-0-	Interim Compliance	B1 1	Supports Groundwater Impact Assessment to allow interim discharges to T ditches and B Pond to continue. Maintains LEMIS system required by TPA milestone M-35 as a database available to regulators. Impacts: TPA M-17 and M-35 milestones missed and possible shutdown of T-Plant, Tank Farms, and B-Plant streams discharging to B Pond.	590		
2300-0-	Miscellaneous Streams	B1 1	Implements the plan and schedule for disposal and regulatory compliance of misc. streams submitted to Ecology in 1/94 as required by the Consent Order. Tasks include development of Best Management Practice, Injection Well registrations, and WAC 173-216 permit submittals. Impacts: Consent Order DE91NM-177 milestones would be delayed. Potential to result in fines and cease discharge orders for these streams impacting PUREX, Tank Farms, UO3, 222S, and steam distribution system.	1,421	472	**
2300-0-	Program Management	B1 3	Provides the planning, budgeting, statusing, performance monitoring, customer interface, and program direction for the Liquid Effluents Program. Impacts: TPA M-17 and Consent Order DE-91NM-177 milestones missed and TPA Article XLVIII, paragraphs 138/139 Cost, Schedule, and	1,493		

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 .BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: T						
2300-1-	Phase II BAT/AKART (Project W-252)	B1 1	Scope Planning and Reporting not supported. Continues project support and initiates construction of Phase II streams BAT/AKART implementation for Tank Farms, B-Plant, and 284-E Powerplant to meet Oct 97 M-17 milestone. Impact: TPA M-17-00B milestone would be missed.	500		
2300-1-	Phase II BAT/AKART (Project W-252)	B1 1	Continues project support and initiates construction of Phase II streams BAT/AKART implementation for Tank Farms, B-Plant, and 284-E Powerplant to meet Oct 97 M-17 milestone. Impact: TPA M-17-00B milestone would be missed.	772		
2300-1-	Phase II BAT/AKART (Project W-252)	B1 1	Continues project support and initiates construction of Phase II streams BAT/AKART implementation for Tank Farms, B-Plant, and 284-E Powerplant to meet Oct 97 M-17 milestone. Impact: TPA M-17-00B milestone would be missed.	6,579	8,523	**
2310-1-	HEC Project Expense Support	B1 2	Provides overall HEC project administration and closeout costs for subprojects C-018H, C-031H, L-045H, W-007H, W-049H, and W-291H. Impacts: TPA M-17 and M-32-01B will be missed shutting down 242-A Evaporator, 300 Area labs, PFP, and B Plant facilities.	1,400		
2320-2-	h-Project W-259, T Plant Secondary Containment and Leak Detection	B1 2	Complete Advanced CDR, initiate Definitive Design and permitting. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.	300	38	
2320-2-	h-Project W-259, T Plant Secondary Containment and Leak Detection	B1 2	Complete Advanced CDR, initiate Definitive Design and permitting. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.			2
3020- -	RCRA Closures	B1 1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.			1,940
3020- -	RCRA Closures	B1 1	Support NOD and RCRA Closure Plan preparation compliant to TPA M-20. If not funded, major TPA milestones will be missed.	2,537		
3020- -	Rcra Closures 183-H	B1 1	Support final stabilization of the 183-H Basin in accordance with regulator agreements. If not funded, stabilization will be deferred	3,909		154

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 84

Ads#	Sub Act	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: T								
3100-	-	100-DR-1 Assessment	B1	1	and penalties will be assessed for violation of environmental laws. TPA issue proposed plan to regulators M-15-07D	83		
3100-	-	100-DR-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.		2,248	
3100-	-	100-DR-1 Remediation	B1	1	Receive IROD 3/94 M-16	780		
3100-	-	100-DR-2 Assessment	B1	1	Issue proposed plan to regulators 9/95 (proposed TPA)	376		
3105-	-	100-BC-1 Assessment	B1	1	Issue proposed plan to the regulators 11/94 M-15-08D	138		
3105-	-	100-BC-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.		13,206	
3105-	-	100-BC-1 Remediation	B1	1	Receive IROD from regulators 5/95 M-16	1,296		
3105-	-	100-BC-1 Remediation	B1	1	Receive IROD from regulators 5/95 M-16	2,641		
3105-	-	100-BC-2 Assessment	B1	1	Issue proposed plant to regulators 5/95 (proposed TPA)	366		
3105-	-	100-BC-2 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.		(133)	
3105-	-	100-BC-5 Assessment	B1	1	Issue proposed plant to regulators 10/94 M-15-09D	348		
3110-	-	100-KR-1 Assessment	B1	1	Issue proposed plan to regulators 10/94 M-15-10C	221		
3110-	-	100-KR-2 Assessment	B1	1	Issue work plan and conduct field investigation M-13, M-15	1,062		
3110-	-	100-KR-4 Assessment	B1	1	Issue proposed plan to regulators 10/95 M-15-11D	425		
3115-	-	100-FR-1 Assessment	B1	1	Issue proposed plan to regulators 3/95 M-15-13D	235		
3115-	-	100-FR-2 Assessment	B1	1	Issue work plan, conduct field activities M13, M15	417		
3115-	-	100-FR-3 Assessment	B1	1	Issue proposed plan to regulators M-15-13H	1,089		
3120-	-	100 NPL Common Activities	B1	1	Support all M-15 and M-16 TPA milestones	9,820		
3120-	-	100-HR-1 Assessment	B1	1	Issue proposed plan to regulators 9/94 M-15-05D	166		
3120-	-	100-HR-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.		(1,051)	
3120-	-	100-HR-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.	1,468		
3120-	-	100-HR-2 Assessment	B1	1	Issue proposed plan to regulators 12/94 M-15 (proposed TPA)	145		
3120-	-	100-HR-2 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.		1,046	

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub		Priority		(\$,000)	(\$,000)	Productivity\	
Ads#	Act	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: T							
3120-	-	100-NR-3	Assessment	B1 1	Issue proposed plan to regulator 9/94 M-15-06D	1,434	
3125-	-	100-NR-1	Assessment	B1 1	Issue proposed plan to regulators 5/96 M-16-01M (proposed TPA)	420	
3125-	-	100-NR-2	Assessment	B1 1	Issue proposed plan to regulators 5/96 M-16-01M (proposed TPA)	704	
3125-	-	N Springs (100-NR-2)		B1 1	Initiate preferred alternative M-14	5,187	
3200-	-	200-BP-1	Remediation	B1 1	EPA issues a ROD for 200-BP-1, 5/31/94. DOE will submit a definitive design for the modified RCRA barrier to EPA/Ecology two months after issuance of the ROD, but no sooner than 8/1/94. DOE will submit a remedial action plan to EPA/Ecology four months after the ROD is issued, but no sooner than 10/1/94. DOE will complete the bid and award cycle for the final barrier eight months after the ROD is issued, but no sooner than 2/15/95. DOE will complete remediation activities at 200-BP-1 fifteen months after the ROD is issued, by no sooner than 10/1/95. Complete remediation of all past-practice sites by 2018.	998	
3200-	-	200-BP-5	Assessment	B1 1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 8/31/94. Continue operation/expanding systems (if successful) during treatability to optimize the cleanup activities.	658	
3200-	-	200-BP-5	Treatability	B1 1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 8/31/94. Continue operation/expanding systems (if successful) during treatability to optimize the cleanup activities.	3,471	
3230-	-	200-UP-1	Assessment	B1 1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 3/31/94. Continue operating/expanding systems (if successful) during treatability to optimize the cleanup activities.	2,064	
3230-	-	200-UP-1	Treatability	B1 1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 3/31/94. Continue operating/expanding systems (if successful) during treatability to optimize the cleanup activities.	2,235	
3230-	-	200-UP-2	Assessment	B1 1	The 200-UP-2 Work Plan, approved 8/93, requires completion of a limited field investigation report by 6/95. A Tri-Party Agreement change request, presently in review, will establish a milestone for this deliverable (M-15-15B).	328	
3235-	-	200-ZP-1	Remediation	B1 1	Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase. Complete	2,000	

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Table: Pri96.db

Report: #1

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: T						
3235- -	200-ZP-1 Remediation	B1 1	remediation of all past-practice sites by 2018. Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase. Complete remediation of all past-practice sites by 2018.	4,255		
3235- -	200-ZP-2 Remediation	B1 1	Action memorandum issued by regulators in 1/92 requires extraction of carbon tetrachloride from 200-ZP-2. Complete remediation of all past-practice sites by 2018.	4,819		
3300- -	300-FF-1 Assessment	B1 1	Submit draft feasibility study (FS) Phase 3 report to EPA and Ecology for review.	642		
3300- -	300-FF-1 Remediation	B1 1	Upon finalization of the FS Phase 3 report, a draft proposed plan will be issued to the regulators by 12/31/94, outlining the preferred remedial alternative for the OU. Then, an ROD, based on review of the proposed plan, is anticipated to be received six months after issuance of the draft proposed plan (6/30/95). Physical remediation of the OU is to begin no later than 15 months after receipt of the ROD. Requires remediation of all past-practice sites by 2018.	2,789	7,954	
3300- -	300-FF-2 Assessment	B1 1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.		2,125	
3300- -	300-FF-2 Assessment	B1 1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.	2,237		
3300- -	300-FF-5 Assessment	B1 1	Submit draft combined RI Phase 2 and FS Phase 3 report to EPA and Ecology for review.	1,019		
3390- -	1100 Area Remediation	B1 1	Support TPA M-16-00 and the ROD issued by the EPA in 9/93.	7,243		
3400- -	Barrier Development	B1 5	Funds the testing and monitoring of an earthen barrier to isolate buried wastes from the environment. Non funding will result in the inability to complete the full testing of the barrier prototype as well as the cessation of various studies and consultations critical to the verification of the Hanford Barrier prototype as an adequate one for closure of buried waste sites by FY 1998.	2,208		
3400- -	Barrier Development	B1 5	Funds the testing and monitoring of an earthen barrier to isolate buried wastes from the environment. Non funding will result in the inability to complete the full testing of the barrier prototype as well as the cessation of various studies and consultations critical to the verification of the Hanford Barrier prototype as an adequate	892	919	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 87

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: T						
3400- -	B1	1	one for closure of buried waste sites by FY 1998. A direct result of the TPA in Principle, Amendment 2, and will develop a compendium of data on the Columbia Reiver's contaminants from Hanford operations. Non funding would result in breach of the TPA in Principle.	2,500		
3400- -	B1	3	Program Management, RL, and USACE office are partially funded, supporting TPA milestones M-15 and M-35 CERCLA grants, and supports Grumbly's safety and health initiative. Non-funding would eliminate the ER Program Office, which would result in inadequate oversight and eliminate funding for Grumbly's safety and health initiative.	31,323		
3400- -	B1	3	Provides ER administrative infrastructure support that is not directly funded by individuals OUs such as documentation, control manuals, special studies, value engineering, and internal surveillance. Funding cuts would jeopardize overall administrative support for the ER program.	3,403		
3400- -	B1	3	Provides for ER Hazardous Worker Traing, HPT training. Funding cuts would jeopardize worker safety as well as regulatory compliance.	1,709		
3400- -	B1	4	Provides for expense funded CENRTC to support ER activities which include new EAL instrumentation and HP equipment. Funding cuts would jeopardize environmental analytical capabilities to support ER activities.	613		
3400- -	B1	3	Assesses the cumulative impacts of the Hanford ER program and provides for future land use scenarios based on the range of remedial actions which will take place on the Hanford Site. Non-funding of the HRA-EIS will place DOE in non-compliance with NEPA.	3,000		
3400- -	B1	4	Provides for administration of Hanford Analytical Services and development of a chemistry course program at WSU-TriCities. Funding cuts would jeopardize commercial analytical services at Hanford and training to support the analytical chemistry needs at the Hanford Site.	470		
3400- -	B1	2	Provides for the QA self-assessment supporting DOE Implementation Plan for DNFSB Recommendation 90-2. Budget restrictions will result in degradation of implementation of the ER QA program and potential reduction in the margin of overall safe operation and management of the WHC ER program.	3,445		
3700- -	B1	1	Provide operational ER Disposal Facility (ERDF) on 9/30/96.	2,978	7,076	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

Sub

Ads# Act

Workscope Desc

Priority
RL Grmby

Justification

(\$,000)
FY 95(\$,000)
FY 96Productivity\
Add'l Target

FY95/FY96 INTEGRATED EM PRIORITY LIST
BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

Page 88

Case: T

Case	Sub	Workscope Desc	Priority	Grmby	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
3700-	-	Disposal Facility	B1	1	Required to meet TPA milestone M-70-00, to provide an operational ER Disposal Facility (ERDF) on 9/30/96.	5,022		
3700-	-	Disposal Facility	B1	1	Required to meet TPA milestone M-70-00, to provide an operational ER Disposal Facility (ERDF) on 9/30/96.	31,725		
4110-0-		K Basins Environmental Compliance activities	B1	2	If not funded, WHC will be in non-compliance with DOE Orders NPDES and Tri-Party Agreement (M-34-00).	1,257		
4110-0-		K Basins TPA Reponse Actions	B1	1	The TPA enforceable milestone (M-34-00) of treatment and disposal of the contaminated water in 105 KE spent fuel basin will not be met. This could result in citizen suits against RL and WHC as demonstrated by legal actions taken by Heart of America in 1993. EPA has also identified that the environmental insult from groundwater from 105 KE Basin is compromising the remediation of the 100-KR-4 Operable Work Unit.	340		
4110-0-		K Basins TPA Reponse Actions	B1	1	The TPA enforceable milestone (M-34-00) of treatment and disposal of the contaminated water in 105 KE spent fuel basin will not be met. This could result in citizen suits against RL and WHC as demonstrated by legal actions taken by Heart of America in 1993. EPA has also identified that the environmental insult from groundwater from 105 KE Basin is compromising the remediation of the 100-KR-4 Operable Work Unit.	1,400	2,081	
4110-0-		KE Encapsulation	B1	1	Failure to encapsulate the fuel in K East Basin will allow fuel degradation to continue unchecked, in direct contact with the basin water. This, in turn, will increase the sludge inventory and continually add radioactive contaminants to the water. Evaporation then emits contaminants to the atmosphere through gaseous effluent discharges. Failure to encapsulate fuel will directly impact the ability to meet TPA milestone M-34-00.	7,801		
4110-0-		KE/KW Essential Systems Upgrade	B1	2	If not funded, the seismic problems identified during an RL surveillance will not be corrected. The security system maintenance problems and costs will continue to increase due to antiquated systems and unavailability of spare parts. Fire protection risks will increase, particularly in the fuel storage basins; where property loss due to a fire would be several million dollars and could be accompanied by release of on-site contamination.	5,056	1,639	
4110-0-		S/RIDS - K Basins	B1	2	Provide documentation of adherence to standard records control.	99		
4110-0-		S/RIDS - K Basins	B1	2	Provide documentation of adherence to standard records control.	101		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 89

Sub	Priority			(\$,000)	(\$,000)	Productivity\	
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target
Case: T							
4110-0-	Water Plant Upgrade	B1	2	Failure to fund this project will result in contined risk of prolonging the life of the current outdated and undersized water supply system. The existing facilities are old and rusting and failure of all or parts for the system is a definite possibility.	2,500	500	
4190-0-	B Plant Environmental Compliance	B1	2	Funds ongoing management of the liquid and gaseous effluent systems, NESHAPs, Part B Permit, and Tank Integrity Assessments. If not funded, B Plant would be in non-compliance with RCRA, WAC, and CAA; as well as miss critical TPA milestones.	1,482		
6622-0-	PUREX Environmental Compliance	B1	2	If unfunded, PUREX would be in non-compliance with DOE Orders, State, and Federal regulations. PUREX would fail to meet OSR requirements for effluent monitoring and sampling. RCRA closure plan would not be submitted to meet TPA M-20-24. Air operating permit and emissions inventory would not be submitted and will violate CAA.	3,243		
6622-0-	PUREX UO3 Deactivation	B1	4	Finalizing of the facility cleanout plan and initial cleanout activities would be delayed by 2 years. Delay in facility cleanout results in approximately \$35M per year additional cost. Liquid wastes at PUREX do not meet all regulatory requirements for continued storage. Failure to continue rapid progress on the Deactivation Project could result in enforcement actions taken by the regulatory agencies.	6,400	8,290	
6622-0-	PUREX UO3 Deactivation	B1	4	If not funded, the reductions to utility systems and N cell deactivation in FY 95 could not be restored. This would also impact deactivation of ancillary buildings and preparation of the documentation package required for turn over the HSFP. Failure to fund these tasks would likely impact the overall deactivation schedule by six months with an increased surveillance and maintenance cost of apprx. \$20M.		4,200	**
6622-0-	PUREX UO3 Deactivation	B1	4	If not funded, the reductions to utility systems and N cell deactivation in FY 95 could not be restored. This would also impact deactivation of ancillary buildings and preparation of the documentation package required for turn over the HSFP. Failure to fund these tasks would likely impact the overall deactivation schedule by six months with an increased surveillance and maintenance cost of apprx. \$20M.		100	**
6622-0-	PUREX UO3 Deactivation	B1	4	If unfunded, PUREX deactivation activities would be phased out and the project placed on hold, resulting in a 15 month delay in	9,700		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)
FY 95(\$,000)
FY 96Productivity\
Add'l Target

Case: T

Case	Sub	Workscope Desc	Priority	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
6622-0-		PUREX UO3 Deactivation	B1 4	completion. Add'l surveillance and maintenance costs of apprx. \$35M per year would be incurred, as well as incremental costs to rehire and retrain staff. Liquid wastes at PUREX do not meet all regulatory requirements for continued storage. Failure to continue rapid progress on the Deactivation project could result in enforcement actions by regulatory agencies.	600		
6623-0-		300 Area Fuels Environmental Surveillance	B1 2	If unfunded, PUREX deactivation activities would be phased out and the project placed on hold, resulting in a 15 month delay in completion. Add'l surveillance and maintenance costs of apprx. \$35M per year would be incurred, as well as incremental costs to rehire and retrain staff. Liquid wastes at PUREX do not meet all regulatory requirements for continued storage. Failure to continue rapid progress on the Deactivation project could result in enforcement actions by regulatory agencies.	70		
6624-0-		PFP Environmental Compliance Activities	B1 2	If not funded, DOE and WHC will be in non-compliance with RCRA, Clean Air Act, Clean Water Act, Model Toxics Control Act, Clean-up Regulations (CH 173-340). Violations could result in fines.	2,173		
6624-0-		PFP NEPA	B1 6	PFP specific environmental compliance activities would not be supported if not funded and capital support would not be available to maintain the facility in compliance with regulations. PFP Part B Permit (M-20-48) and Tank Interim Status (M-32-01) would not be supported, air operating permit, and related emissions inventory would not be completed and support to projects related to TPA milestone M-17-00 would not be provided. PFP septic system repair and restoration is not funded at this level.	1,514		
6640-	-	Environmental Protection	B1 2	DOE-HQ has directed that environmental documentation be prepared at PFP prior to performing stabilization of reactive materials or cleanout at the plant. If not funded, delays in the development of NEPA documentation will cause the plant to remain in a high hazard standby condition for extended periods and also jeopardize the potential of using it for any future remediation or interim storage missions.	1,400		
6641-	-	308 Bldg. Surveillance	B1 2	Facility Wastes not properly dispositioned	700		
6660-0-		Program Integration NEPA	B1 6	Building OSR violations and environmental compliance issues	158		
				NEPA establishes national environmental policy goals for the protection, maintenance, and enhancement of the environment and			

FY95/FY96 INTEGRATED EM PRIORITY LIST
BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 91

Ad#	Sub Act	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: T								
6670-0-		Capital Equipment - various commitments/priorities	B1	2	provides a process for implementing these goals within the federal agencies. If not funded in FY95, the NEPA documentation for the Hanford Site General Purpose Facility projects cannot be prepared. FY 1995 funding supports B1--TPA M-32-02, item d, Digital Site GIS Base Map Collection; B2--Elimination of waste streams (300 Area Powerhouse); C1--Radio equipment to support Emergency Preparedness; C2-- Telecommunications spares for maintenance of system, HEHF/PNL equipment; D1--test equipment to support telecommunications maintenance; E1--replace obsolete shop equipment; F1--Transportation replacements (light, heavy, including CWIP), Document and Records Services equipment, SCADA replacement (remote operation of substations to prevent power outages.) Incremental funding in FY96	11,500	1,809	
6680-0-		On-going line items	B1	2	Projects currently under construction would not be completed which may result in legal liabilities associated with current contracts.	14,008		
6680-0-		Proposed Line Items (FY 1996 - 1997)	B1	2	Required to support development of outyear line item projects including permitting and validation.	968		
6694-0-		TPA State Funding - Mixed Waste Fee	B1	3	Required to meet DOE commitments to regulators and stakeholders.	4,897		
7100-0-		l-325 Lab Hot Cell Cleanout	B1	1	Complete cleanout of "B" Cell in the high level radioactive facility. An add'l \$3.0M is funded by the TWRS Characterization ADS 1130.	1,800		
7100-0-		m-LIMS development/implementation	B1	1	The Laboratory Information System (LIMS) is required to replace the outdated system at 222-S and provide new systems for 325 and WSCF. This project is currently ongoing with continued implementation of new features and functionality through systems configuration and development activities. An add'l \$1.1M in FY 1995 and \$1.1M in FY 1996 is funded by the TWRS Characterization ADS 1130.	1,700		
7100-0-		n-222-S Laboratory Facility Renovations	B1	1	Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds three rooms in FY 1995.	539		
7100-0-		n-222-S Laboratory Facility Renovations	B1	1	Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds three rooms in FY 1995.	2,300		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)
FY 95(\$,000)
FY 96Productivity\
Add'l Target

Case: T

Ads#	Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
7100-0-	o-325	Facility Renovations	B1 1	Capacity upgrades required to support at the ready-to-serve level. An add'l \$1.7M in FY 1995 is funded by the TWRS Characterization ADS 1130. Renovate add'l square footage of the Radiochemistry Laboratory Suite and the Inorganic Analysis Laboratory Suite. Failure to receive the funding to continue the renovation of these laboratory areas will leave the ACL with a reduced analytical capacity from that which was originally available. This is due to the fact that the renovations will be interrupted mid-way through the process and the laboratory will be left in a state of partial completion.	1,500		
7100-0-	p-222-S	Productivity/process improvements	B1 1	This funds efforts to bring the cost per sample analysis down by implementing cost-saving improvements that require up front investment.	800		
7100-0-	q-GPP/Small	Projects	B1 1	Funds GPP small projects that have been routinely identified each year. Identified GPP in FY 1995, in FY 1996, W-368 Laboratory Maintenance Annex, W-370 222-S Septic System.	1,200	1,500	
7100-1-	h-	Project Support under Directive	B1 3	Expense support to projects authorized under directive and preliminary engineering studies to examine the feasibility and workscope of a proposed project.	531		
7100-2-	i-W-087	Radioactive Liquid Waste Line Replacement	B1 2	This project will replace the radioactive waste drain piping from the hot cells in 222-S to 219-S and provide a new transfer route from 219-S to the tank farms. This project is required to support the Part B permit for the 222-S facility and the TPA milestone M-32.	107	101	
7100-2-	j-W-087	Radioactive Liquid Waste Line Replacement	B1 2	This project will replace the radioactive waste drain piping from the hot cells in 222-S to 219-S and provide a new transfer route from 219-S to the tank farms. This project is required to support the Part B permit for the 222-S facility and the TPA milestone M-32.	500	100	
7100-2-	j-W-087	Radioactive Liquid Waste Line Replacement	B1 2	This project will replace the radioactive waste drain piping from the hot cells in 222-S to 219-S and provide a new transfer route from 219-S to the tank farms. This project is required to support the Part B permit for the 222-S facility and the TPA milestone M-32.	8,500	4,900	
7100-3-	k-219-S	Tank Upgrades (W-178) M-32	B1 2	This project will provide the 219S facility with secondary containment for tanks 101, 102, and 103. The project is required to support the TPA milestones M-32 and the Part B permit for the 222-S.	2,080		
7110-0-	o-	Expense Support to Projects	B1 1	Engineering studies, FDCs, CDRs, and conceptual planning for the candidate construction projects. Supports continued availability of laboratory facilities.	794	600	

FY95/FY96 INTEGRATED EM PRIORITY LIST
BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 93

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target

Case: T						
7250-0-AE	HMP		B1 3	Revise Hanford Mission Plan "Site Guidance" to allocate Systems Engineering-defined products to programs. The Site Guidance provides a common basis for program planning and linkage with SE. Prepare add'l material balances adding SE and stakeholder cases. Begin development of time phasing of process flow models. The material balances are used to assess integration and completeness of SE and Program planning baselines and alternates. Regulatory Analysis task will identify key regulatory driver and support upgrade of the SE products, as well as "site guidance." Support public/stakeholder participation in formulation and review of Hanford Site level	1,415	405
7250-0-AI	MYPP Coordination		B1 3	This activity develops the Hanford technical, schedule, and cost baseline documents which performance will be measured against. The development of the Site Integrated Schedule will be a direct product and outcome of the Hanford programmatic baseline information. This activity provides for training to develop improved methods for activity based planning and cost estimating. Technical cost assessments and reviews are performed in order to assure compliance with DOE requirements and WHC procedures. Baseline technical reviews provide an independent validation of workscope.	1,515	
7330- -	Air and Water Permitting		B1 2	Supports regulatory Air and Water Permitting activities for the Hanford Site. Supports site-wide storm water permit, UIC, drinking water, and other related regulations required by Clean Water Act, support compliance with Clean Air Act site-wide air operating permit requirements. Criminal and civil penalties for noncompliance.	1,015	
7330- -	Capital Equipment		B1 2	Supports capital equipment vehicles and UNIX computer purchase.	170	
7330- -	Environmental Reporting		B1 2	Supports preparation of mandatory regulatory reports. Supports annual Tri-Party Agreement M-26 milestone requirements and Clean Air Act sitewide operating database maintenance.	1,762	
7330- -	NEPA Coordination		B1 2	Support management/facilities on overall NEPA/SEPA activities to ensure consistency and compliance (10 CFR 1021).	231	236
7330- -	Program Administration		B1 2	Provides program management/financial administration for the program.	457	
7330- -	RCRA Permitting		B1 2	Supports regulatory RCRA permitting coordination, issue resolution, and assurance of consistency for the Hanford Site. Failure to comply with Hanford Facility RCRA/Dangerous Waste permit if not funded.	391	
7330- -	Regulatory Field Support		B1 2	Supports facilities in identifying and complying with regulatory	981	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: T						
7330- -	TSD Permit Requirements	B1 2	requirements/documentation of regulatory audits/inspections. Supports activities required by the Hanford Facility RCRA/Dangerous Waste Permit. Specific requirements include: facility-wide inspections, permit waste inventory, closure costs and waste minimization activities, permit recordkeeping and retrieval, and compliance oversight coordination.	1,956		
7330- -	TSD Permit Requirements	B1 2	Supports coordination of facility-wide permit requirements and RCRA/Dangerous waste permit modification. Permit required by WAC 173-303.	548	583	
7330- -	Tri-Party Agreement Integration	B1 2	Supports Tri-Party Agreement Milestone Managers for programs.	400	384	
7330- -	Tri-Party Agreement Integration	B1 2	Supports partial Tri-Party Agreement integration.	984		
7330- -	Tri-Party Agreement Integration	B1 2	Supports remaining TPA Hanford Site Integration. Failure to provide adequate support will impact coordination of TPA implementation and negotiations.			178
7332- -	Pollution Prevention	B1 2	Supports pollution prevention reporting requirements and general program development for the entire Hanford Site.	563		
7340-0-AA	Capital Equipment	B1 2	New or replacement equipment for environmental monitoring, 40CDR61, 40CFR265/Monitoring equipment no longer functional as equipment fails.	2,000		
7340-0-AC	Groundwater Monitoring	B1 2	Samples collected and analyzed in support of RCRA, SDWA, CSW, and 40CFR265 requirements/Noncompliance will place GW and public at risk	1,900		
7340-0-AC	Groundwater Monitoring	B1 2	Samples collected and analyzed in support of RCRA, SDWA, CSW, and 40CFR265 requirements/Noncompliance will place GW and public at risk	6,090		
7340-0-AC	Groundwater Monitoring Well Sampling and Analysis	B1 2	Samples collected and analyzed in support of RCRA, SDWA, CWA, and 40 CFR 265 requirements. Noncompliance will place GW and public at risk.			1,921
7340-0-AC	Groundwater Support activities	B1 2	Administrative support to Geoscience and the GW monitoring activity, 40CFR265/Loss of geohydrological oversight	690		
7340-0-AC	Project Scientist Support	B1 2	Technical support to geoscience monitoring activities/Loss of geohydrological technical expertise	1,100	1,125	
7340-0-AC	Purgewater Disposal	B1 2	Maintains compliant disposition of purgewater/Stored purgewater would cause greater costs	250		
7340-0-AC	RCRA Reporting and Data Management	B1 2	RCRA, WAC, and 40CFR265 require data management of GW data/Noncompliance due to lack of records	1,282	395	
7340-0-AD	Groundwater Well Maintenance/Decommissioning	B1 2	Well must be maintained for groundwater monitoring, 40CFR265/Without wells, GW monitoring does not function	1,300		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 95

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target
Case: T							
7340-0-AD	Groundwater Well Maintenance/Decommissioning	B1	2	Well must be maintained for groundwater monitoring, 40CFR265/Without wells, GW monitoring does not function	2,286		
7340-0-BA	Compliance and Technical Management	B1	2	Reporting and compliance with air emissions/Air Emissions Report not submitted to EPA	150		
7340-0-BA	Effluent and Environmental Monitoring 200/600	B1	2	Clean Air Act, 40CFR61/Reporting requirements would be noncompliant and an unsafe practice if not performed	500		
7340-0-BA	Effluent and Environmental Monitoring 200/600	B1	2	Clean Air Act, 40CFR61/Reporting requirements would be noncompliant and an unsafe practice if not performed	3,600		
7340-0-BA	NESHAP Compliance Support	B1	2	Study new or replacement monitoring requirements for NESHAP Compliance/Noncompliance with EPA-NESHAP Orders	965		
7340-0-BB	Active Cribs, Ponds, and Ditches	B1	2	Active liquid discharge sites must be monitored to ensure operating parameters are maintained/Unmonitored liquid discharges to soil column	790		
7340-0-BB	Inactive Crib Monitoring (Vadose Zone)	B1	2	Monitors vadose zone for contamination spread/Expensive core sampling	235		
7340-0-BB	Inactive Crib Monitoring (Vadose Zone)	B1	2	Monitors vadose zone for contamination spread/Expensive core sampling	1,000		
7340-0-BB	Seismic Monitoring	B1	2	Maintain surveillance of the Hanford Site and surrounding portion of eastern Washington/Could prohibit future construction	480		
7340-1-AG	Groundwater Well Drilling Support	B1	2	Technical support to GW well planning/Noncompliance with TPA	600		
8400-0-AA	Refrigerant Replacement program	B1	2	Regulatory requirement to phase out the use of regulated refrigerants. If not funded, fines may result from violations of environmental laws.	155		
8400-0-BB	Cultural Resources Management	B1	2	Regulatory requirement for protection of Hanford Site historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform cultural resource reviews in piecemeal fashion.	86	475	
8400-0-BB	Cultural Resources Management	B1	2	Regulatory requirement for protection of Hanford Site historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform cultural resource reviews in piecemeal fashion.	654	82	
8400-0-BB	Cultural Resources Management	B1	2	Regulatory requirement for protection of Hanford Site historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform cultural resource reviews in piecemeal fashion.	1,200	1,200	**
8400-0-CA	Public Safety and Resource	B1	2	Independent assessment of the impacts of Hanford on the environment	9,253		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 96

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)	(\$,000)	Productivity\
		RL	Grnbly		FY 95	FY 96	Add'l Target

Case: T							
	Protection Program			and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site Environmental Report; provides meteorological/climatological services, samples and analyzes groundwater. Provides dosimetry coordination, analytical support services, Native American interaction, NEPA Characterization, a grant to Nature Conservancy, and public/educational outreach activities. Failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations, and the public as baseline information on Hanford environmental status.			
8400-0-CA	Public Safety and Resource Protection Program	B1	2	Independent assessment of the impacts of Hanford on the environment and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site Environmental Report; provides meteorological/climatological services, samples and analyzes groundwater. Provides dosimetry coordination, analytical support services, Native American interaction, NEPA Characterization, a grant to Nature Conservancy, and public/educational outreach activities. Failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations, and the public as baseline information on Hanford environmental status.	2,900		
8400-0-CB	Hanford Ecological Compliance Assessment	B1	2	Partial funding towards the regulatory requirements for protection of endangered wildlife, habitat, and vegetation during operation of the Hanford Site. If not funded, fines and work stoppages may result.	193	208	
8400-0-EA	RMW Storage Tank Inspection (PNL)	B1	1	Regulatory compliance for inspection of highly radioactive storage tanks. If not funded, tank integrity cannot be demonstrated, leaks may not be stopped, and the potential for release of radioactive material to the environment may increase.	1,368		
8400-0-KA	Pollution Prevention Program	B1	2	Regulatory requirement for pollution prevention program. If not funded, the RCRA hazardous waste manifest cannot be approved resulting in the inability to ship hazardous and radioactive mixed waste to disposal/storage facilities.	465		
8400-0-LA	NEPA compliance program	B1	2	Regulatory requirement to assess environmental compliance of PNL programs. If not funded, fines may result and facilities/programs may be shut down.	560		
8400-0-PA	RCRA Permitting	B1	2	Regulatory requirements for permitting basic research in the treatment of RCRA hazardous wastes. If not funded, would result in failure to meet TPA milestones, potential fines for RCRA violations,	400		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 97

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: T						
1100- -	Purchase HLLW Cask and Pumping System	B2 1	and shutdown of operations. Required for SST emergency puming in the event of a leaker. Tri-Party Agreement milestone M-41-03B, "Delivery of the mobile high-level waste transport cask."	1,200		
1120-0-	Engineered Tank Farm Hardware	B2 4	Develop transfer pumps for tank farm wastes. Develop design guide for equipment to be installed in tanks. Higher fiscal and environmental costs associated with equipment which does not consider life cycle costs in their design.	1,200		
1120-0-	Liquid Level Gauges	B2 4	Installation of new liquid level gauges on all DST and SST with surface liquid. Continue operation of unreliable high maintenance system.	1,700		
1120-0-	Long Length Contaminated Equipment Disposal	B2 4	Develop protocol and hardware for the disposal process. Failing to implement such a strategy has an estimated cost impact of over \$1 Billion.	5,700		
1120-0-	W-372 Long Length Waste Equipment Transfer Port (LLWERP) (CWO)	B2 4	Design and construction of portal addition to the south end of the T Plant canyon for long-length equipment decontamination. Long-length equipment will be handled with current high costs and environmental risks.	1,900		
1120-0-	W-373 Long Length Waste Equipment Storage Facility (LLWESF) (CWO)	B2 4	Construct a building for greater than 90-day storage of containerized long-length contaminated equipment (LLCE). Non compliance with 90-day storage regulations.	400		
1120-0-	W-374 Long Length Waste Equipment Container Storage Facility (LLWECSF) (CWO)	B2 4	Design and construct a controlled storage yard for empty long-length contaminated equipment (LLCE) containers. Containers for emergency disposals will not be ready for immediate use. Delay in reaction time to failed long-length equipment installed in tanks.	400		
1120-0-	W-375 Long Length Containment Cold Test Facility (LLCCTF) (CWO)	B2 4	Modify a cold test facility for development testing operator training for equipment associated with the disposal of LLCE. inadequate operator training for disposal of contaminated equipment. Cost impact due to inefficiency.	400		
1230- -	Program Management	B2 3	Providing overall management and guidance of the program. Preparation and submittal to customer of business plans (FYWP, MYPP, ADS). Support to public involvement and systems engineering process. Path to success for HLW. Should this activity be reduced or cut, the threat of the program would be lost. This is a major part of the success of LLW. Would impact TPA milestone.	6		
2300-0-	Miscellaneous Streams BAT	B2 1	Provides engineering report for miscellaneous streams Line Item and			

362

**

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: T								
		Implementations			Initiate FDC. Impacts: Consent Order DE 91MN-177 milestones would be delayed. Potential to result in fines and cease discharge orders for these streams impacting PUREX, Tank Farms, U03, 222S, and steam distribution system missions.			
2320-1-		i-Project C-077, T Plant Ventilation Upgrade	B2	2	Complete the Advanced CDR. The upgrade is required for: 1) worker safety/ALARA (10 CFR 835), calls for the minimization of the spread of airborne rad contamination within the 221-T canyon; 2) worker efficiency (DOE Order 6430.1A), canyon access is limited to 15 minute intervals per worker during 80 degree or higher temperatures in the summer, extending the intervals beyond 15 minutes increases the risk of skin contamination due to perspiration. Conversely, inadequate heating systems have created freezing conditions during the winter. Respirator face plates tend to fog in cold conditions, creating serious safety hazards for personnel; and 3) negative differential			4
3400-	-	Program Management (Tech)	B2	2	The technology support activities seek out and adapt technologies in the private and public section which can enhance and improve the efficiency of the ER program. Non-funding will result in the use of only current available technologies to remediate the Hanford Site.	3,408	6,820	
3510-	-	100 Area D&D - Effluent Pipeline	B2	1	Prepare EE/CA due 9/30/94, per TPA M-16-80.	433	500	
3510-	-	100 Area D&D - Remediation	B2	4	Accelerate D&D of 100 Area surplus (abandoned) facilities in accordance with AIP.	5,970		
3510-	-	D&D Facilities (Reactor Engr.)	B2	4	Initiate remedial design in support of the Reactor Block Removal project (105-C).	5,666		
3510-	-	D&D Facilities (Reactor Engr.)	B2	4	Maintain minimal Engineering support to Reactor Block Removal Project (105-C).		3,265	
3510-	-	D&D Facilities (Reactor Engr.)	B2	4	Maintain minimal Engineering support to Reactor Block Removal Project (105-C).		7,150	
6641-	-	Legacy Occupancy	B2	2	Safe facility requirements not achieved.	300		
6641-	-	NE legacies	B2	2	Disposition of legacy facilities suspended	1,100	771	
6641-	-	TRIGA Fuel disposition	B2	2	Delays 308 bldg closure, TRIGA fuel remains in 308	1,000		
6675-0-		General Plant Projects	B2	2	Incremental target funding provides for construction of parking safety upgrades and 300 Area water metering to control effluents.			2,783
6675-0-		General Plant Projects	B2	2	Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, a lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is	8,280		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 99

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: T						
			jeopardized, state and federal laws cannot be met, and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are available with sufficient capacity when needed.			
6680-0-	FY 1995 New Starts	B2 2	FY 1995 projects will begin Definitive Design. (Primary Highway Rte-N of Wye Barricade and 324 Facility Compliance Renovation)	4,101		
7360- -	Essential Materials	B2	Includes container/drums to store waste.	25	4	
7360- -	Radio equipment	C1	Radio equipment including cellular phones.		1	
7360- -	Radio equipment	C1	Radio equipment including cellular phones.	5	1	
7360- -	Telecommunication	C1	Parts for faxes, computers, radios, and telephone equipment.	50	8	
1120-0-	Compressed Air System Upgrades	C2 4	Assessment/replacement of compressed air systems in remaining (non-watch list) tank farms. Inefficient operations. Increased instrument unreliability.	200	500	
1120-0-	Consolidate Alarm Panels	C2 4	Replacement/upgrade of old alarm panel systems with state-of-the-art circuitry. Inefficient operations of unreliable equipment. Operators work in a cluttered environment with invalid alarms.	400	600	
1120-0-	Control Room Upgrades	C2 4	Upgrade the control room instrumentation and electrical systems to replace equipment not in compliance with current standards and regulations. Non-compliance with standards and regulations.	800		
1120-0-	Diesel Generator Upgrades	C2 4	Replacement of diesel generators to provide emergency power supply for tank farms. Non replacement of older generators could possibly result in loss of emergency power to instrumentation at tank farms during power outages.	300	300	
1120-0-	Electrical and I&C GPP Definition	C2 4	Identify General Plant Projects required to support electrical and I&C upgrades. Necessary instrumentation and electrical upgrade General Plant Projects will remain undefined and unworked.	200		
1120-0-	General Plant Projects (GPP) Facility Definition	C2 4	Identify General Plant Projects required to support facility upgrades. Necessary General Plant Projects, such as lighting upgrades, will go undefined and unworked.	400	3,400	
1120-0-	MDAT Mitigation	C2 4	Replacement of handwritten field data sheets and procedures with hand held data acquisition computers to improve data quality and retrieveability. Inefficient operations. Potentially higher operator error. Longer stay in contaminated zone (ALARA).	500	600	
1120-0-	Mechanical GPP Definition	C2			3,400	
1120-0-	Upgrade Operating Procedures	C2 4	Upgrade of the operating procedures to support operations and	700		

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmby	Workscope Desc	Justification	FY 95	FY 96	Add'l Target
Case: T						
1120-1-	C2 4	W-188 Radiological Support Facilities	<p>maintenance activities. Operating procedure will not be in compliance with current standards and regulations.</p> <p>Design and construct compliant change facilities, office space, and permanent WRAM stations. Individuals which become contaminated during operations must be transported to shower locations outside the farm. Co-mingling issues. Continue working in crowded conditions in temporary change trailers.</p>	200	800	
6660-0-	C2 4	Program Integration--Capital Asset Management Process (CAMP)	<p>If not funded at the target level, the Roof Assessment program to examine the roofs to determine safe access cannot be accomplished, the surveillance and maintenance of unoccupied non-radiologica facilities will not continue, the development and maintenance of the Site Catalogs will not continue, and only a limited amount of CAS information will be evaluated and constructively summarized. Without the evaluation of the CAS data, no roof assessment program to determine safe roof access and not surveillance and maintenance of unoccupied non-radiological facilities, and the potential for a serious accident is drastically increased.</p>	1,020	426	
6665-0-	C2 2	Expense Funded Projects -NEC	<p>Electrical system deficiencies have been identified in facilities that, if left as is, could result in personnel injury, property loss, and disruption of mission. Potential injuries from electrical systems has been identified as a highly likely event at Hanford due to the current condition. Not funding this work will delay the correction process resulting in unresolved safety related deficiencies and add'l costs to due escalation.</p>	666		
6665-0-	C2 2	Expense Funded Projects--Demolition	<p>Buildings which are no longer useful or which present a danger to personnel due to their condition require demolition. If the buildings remain standing, they must be maintained and routine surveillance conducted. Certain building sites cannot be reused or transferred to others if the demolition is not performed. Not funding this work will delay the demolition of structures in the 300 and 3000 Areas impacting final cleanup of the site.</p>	1,319		
6665-0-	C2 2	Expense Funded Projects--General Purpose Facilities maintenance and repairs	<p>This work is required to correct safety deficiencies and to maintain the habitability of buildings. If not funded, leaking roofs and structural failures cannot be repaired, and failing HVAC systems cannot be replaced, and buildings will not be maintained. This workscope should no longer be funded through overheads, as doing so</p>	1,588		

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: T						
			is in direct violation of the Contracting Cost Accounting Standards which states that costs must be charged to an end objective. GPFs are needed in support of the Hanford Waste Management and Environmental Restoration mission. The maintenance and repairs of these GPFs clearly falls under the Landlord Program specific mission.			
1130- -	D1	4	Operate offsite Characterization Lab to support TWRS/Analyze	9,800		
1130- -	D1		Provides containers for sending samples offsite. Offsite labs are required to meet schedule commitments.			
1200- -	D1	4	Upgrade offsite Characterization Lab to support TWRS/Analyze	350		
1200- -	D1	4	Acquisition management	67		
			Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.			
1200- -	D1	3	Business Management/Integration	1,035		
1200- -	D1	3	Business management	118		
			Provide appropriate business management control of TWRS projects. Poorly managed projects and non-compliance with DOE 4700.1.			
1200- -	D1	3	Clerical Support	377		
1200- -	D1	3	Communications and Building Management	1,125		
1200- -	D1	3	DOE Lab Support	776		
1200- -	D1	4	Employee Concerns/Suggestions	136		
			Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track status, and measurement performance as requested by DOE orders and good management.			
1200- -	D1	3	General Supply Service Contractor	4,486		
1200- -	D1	4	Information Resources Management	2,174		
			Provides for GSS Contractor, clerical support, and support to other DOE laboratories.			
			Establish and maintain a TWRS centralized information resources management system, including computer databases, document control,			

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority RL Grmblly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: T						
1200- -	Program Management	D1 2	and record management. The element includes development of appropriate software and acquisition of hardware to support the program. Continued decentralized, mixed, and contradicting data, which will affect two TPA milestones and put program out of compliance with Program Management Plan and Annexes.	208		
1200- -	Program Management and Support	D1 5	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	1,139		
1200- -	Program Planning	D1 3	Increase staff and contract help to expand technology vase in support of privatization, systems engineering, ad dedicated end function program management. Overall reduction in technology support would increase risks of not having alternative technologies to support program.	1,663		
1200- -	Public Involvement Execution	D1 6	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.	49		
1200- -	Public Involvement Management	D1 6	Provides limited planning for mandatory program level public involvement and building administration. Failure to plan or have quality public involvement will destroy credibility.	131		
1200- -	Re-engineering and Production	D1 4	Provides limited planning for mandatory program level public involvement and building administration. Failure to plan or have quality public involvement will destroy credibility.	668		
1200- -	Readiness Review Management	D1 4	Continue prosectution of Profile II savings and other productivity initiatives, development of annual staffing plan, and individual Qualification and Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initatives and non-compliance with DOE orders and DNFSB commitments.	283		
			Manages the formal ORR program for all TWRS activities. Greatly increases risk of approving startup/restart of facilities and forces non-compliance with DOE 5480.31 which requires independent ORR. Can affect future mixer pump installation and numerous TF upgrades in			

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 103

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	RL	Grmbly	Justification		FY 95	FY 96	Add'l Target

Case: T							
			FY95.				
1200- -		D1 3	Systems Engineering Management Plan	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of MAS and DNFSB.	52		
1200- -		D1 3	Systems Engineering Tools	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of MAS and DNFSB.	1,035		
1200- -		D1 4	Training and Qualification	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.	268		
8400-0-BA		D1 2	Standards/Requirements Identification Documents (S/RIDs)	DNFSB recommendation to assess compliance with all standards/regulations. If not funded, audit findings may result.		1,089	
7250-0-AA		D2 3	Risk Assessment	Integrated Risk Assessment Program (IRAP) develops and implements methodology for site-wide risk assessments. IRAP estimates risk to the public, workers, and ecosystem for three time periods: at the current time, during remediation, and for the final site end-state. At the FY 1995 Target level, the public health baseline risk assessment continues, but is not completed. The FY 1996 increment allows the worker health baseline risk assessment to continue.	1,911	867	
7250-0-AB		D2 3	PI Program Management	Basic PI program coordination, required to complete SMS and PTS reporting, change control administration. Also includes PI program planning documentaion, including coordination of the MYPP/FYWP/ADS, etc.	174		
7250-0-AC		D2 3	Baseline Integration Management Support	Management support and administration of Five Year Plan and MYPP activities.	288		
7250-0-AD		D2 3	Progress Tracking System	RL will be in compliance with the HQ mandated reporting requirements by the Undersecretary to comply with OMB managed directions--105 Stat 1290 Sec. 3135(a); DOE Order 2250.1C, CSCSC; DOE Order 4700.1 Project Management System; and the Office of Waste Operations-Management Policies and Requirements. The impact if not funded is inconsistency	614		

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)	(\$,000)	Productivity\	
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: T							
7250-0-AG	Systems Engineering	D2	3	with the balance of the DOE complex in their monthly reporting of activities to HQ. Systems Engineering will be used to refine site and program missions, functions, and requirements; technical baselines; organization; and execution. It will strengthen the technical basis and integration of future Hanford Mission Plans, MYPPs, and FYWPs.	1,140		
7250-0-AJ	ADS preparation and submittal (prioritization, ADS reviews, program planning/development)	D2	4	ADSs are the RL/HQ prescribed means of formulating the EM budget (RL Directive 9401152B, Grumbly Guidance January 21, 1994). ADSs are also the designated medium for discussing Hanford's workscope and budget request with the regulators (TPA paragraph 139-c,d, and f). Coordination of the preparation of ADSs form the basis of Hanford's budget request leading to the congressional budget appropriation. Impact if not funded: Out of compliance with RL/HQ directive; no funding for legally mandated workscope.	667		
7250-0-AJ	Five Year Plan Systems Development, public participation, computer steering group, budget support	D2	4	Required to test, debug expanded EPDS, Windows platform, client server. Impact if not funded: increased maintenance, system failure.	218		
7250-0-AJ	IRM support to FYP EPDS and RPM	D2	4	EPDS is the computer platform used to develop ADSs, provides documentation of workscope cost estimates via Resource Pricing module (RPM). Impact if not funded: No ADSs or ADSs not in format mandated by HQ directive; inconsistent documentation of cost estimates, inability to interact with HQ system.	564		
7250-0-AK	Risk Management	D2	3	This implements risk based decision making at Hanford by establishing a consistent, systematic structure. It is based on EM initiative and linked to SE. Complete identification of site objectives, development of risk measures and functions for criteria, to apply to identification, selection, and analysis of alternatives in systems engineering; support MYPP budget priority formulation by facilitating risk based decision process; complete input to Systems Engineering Manual (procedures to implement Risk Management and set framework for analysis); specify focus for analysis of sitewide risk picture and provide linkage between Systems Engineering and Integrated Risk	628		
1120-0-	W-364 209E Septic Tank Upgrade (GPP)	E1	4	Install septic tank and drain field at 209E building. Continue frequent pumping of septic tank. Poor management practice.	500		
6604-0-	Dose Reconstruction/health infor network	E1	6	Required to meet DOE commitments to regulators and stakeholders.	4,300		

4/19/94

9:54 am

FY95/FY96 INTEGRATED EM PRIORITY LIST

Page 105

Table: Pri96.db

Report: #1

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: T								
6680-0-		Line Items--Project identification and Scoping	E1	5	Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, a lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is jeopardized, state and federal laws cannot be met, and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are available with sufficient capacity when needed.	582		
7360-	-	General Supplies/Computers	E1		Includes office furniture, computers, and software. Also essential items for fire protection and medical supplies.			42
7360-	-	General Supplies/Computers	E1		Includes office furniture, computers, and software. Also essential items for fire protection and medical supplies.	215		29
7360-	-	Process Spares Administration	E1		Administration, planning, reporting, and training for Process Spares, telecommunications, and essential materials. Includes reorders, shelf criteria, assist in annual physical inventories, and perform spares annual review.	394		60
7360-	-	Program Support	E1		Monthly reporting to PTS and SMS. Preparation of EAC and ADS Five-Year Plan, and MYPP.	48		7
7360-	-	Reserve Allowance for Loss	E1		Set aside reserve for inventory losses from damaged, disposal, excess, shrinkage, or deterioration.	99		15
7360-	-	Warehouse	E1		Occupancy of 2101H and 275EA	823		126
7360-	-	Warehouse Administration	E1		Warehousing receiving and transportation of inventories of area warehouse.	576		89
-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(1,000)		(129)
-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(5,670)		(748)
-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.			(22,646)
-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(20,949)		
-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse company level General and	(533)		(97)

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmbly	Workscope Desc	FY 95	FY 96	Add'l Target

Case: T					
- -	F1	Productivity Commitment	(3,827)	(524)	
		Administrative (G&A) overhead rates. Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.			
- -	F1	G & A Rate Reduction	(1,900)	(300)	
		Anticipated reductions in the Westinghouse Company Level General and Administrative overhead rates.			
- -	F1	Productivity Commitment	(12,922)	(1,604)	
		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.			
1100- -	F1	G & A Rate Reduction	(7,700)	(1,155)	
		Anticipated reductions in the Westinghouse Company Level General and Administrative (G&A) overhead rates.			
1100- -	F1	Productivity Commitment	(62,394)	(26,520)	
		Productivity Commitment identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.			
2200- -	F1	G & A Rate Reduction	(800)	(120)	
		Anticipated reductions in the Westinghouse Company Level General and Administrative (G&A) overhead rates.			
2200- -	F1	Productivity Commitment	(8,053)	(1,269)	
		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.			
2300- -	F1	G&A Rate Reduction	(600)		
		Anticipated reductions in the Westinghouse Company Level General and Administrative (G&A) overhead rates.			
2300- -	F1	Productivity Commitment	(4,125)	(727)	
		Productivity Commitment (10%) identified by the Westinghouse Program Team (PIT) in order to fund designated critical unfunded items.			
2320- -	F1	G & A Rate Reduction	(600)	(93)	
		Anticipated reductions in the Westinghouse Company Level General and Administrative (G&A) overhead rates.			
2320- -	F1	Productivity Commitment	(3,697)	(626)	
		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.			
4110-0-	F1	G & A Rate Reduction	(767)	(119)	
		Anticipated reductions in the Westinghouse Company Level General and Administrative (G&A) overhead rates.			
4110-0-	F1	Productivity Commitment	(5,945)	(712)	
		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.			
4190- -	F1	Defense Production Funding	(20,000)		
6602- -	F1	Economic Transition	3,720	3,028	
6625-0-	F1 2	PPF SAS Upgrades	1,700	1,100	**
		Upgrades will result in Vault Safeguards and Security Systems that			

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: T								
6625-0-		PFP SAS Upgrades	F1	2	are necessary to comply with DOE Orders. Failure to fund the SAS Upgrades will result in non-compliant Safeguards and Security Systems due to equipment failures and lack of maintainable equipment. Upgrades will result in Vault Safeguards and Security Systems that are necessary to comply with DOE Orders. Failure to fund the SAS Upgrades will result in non-compliant Safeguards and Security Systems due to equipment failures and lack of maintainable equipment.	51		
6660-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(300)	(45)	
6660-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(5,157)	(709)	
6690-0-		Yakima Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.	1,600		
6691-0-		Nez Perce Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.	1,200		
6692-0-		Umatilla Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.	1,400		
6693-0-		Oregon Hanford Oversight	F1	6	Required to meet DOE commitments to regulators and stakeholders.	543		
6695-0-		Environmental Support	F1	3	Required to meet DOE commitments to regulators and stakeholders.	1,669		
7100-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse level General and Administrative (G&A) overhead rates.	(1,000)		
7100-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(6,911)	(965)	
7250-0-AL		Productivity Commitment/G&A Rate Reduction	F1		A productivity commitment of 10% was identified by the WHC Program Integration Team in order to fund key activities. G&A rate reduction reflects anticipated reductions in the company-level overhead rates.	(747)	(109)	
7330-	-	G&A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(200)	(30)	
7330-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(926)	(135)	
7340-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(400)	(60)	
7340-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(2,807)	(338)	
7360-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program	(300)	(42)	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grmby	Justification	FY 95	FY 96	Add'l Target

Case: T					
		Integration Team (PIT) in order to fund designated critical unfunded items.			
8400- -	F1	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(4,463)	(688)	
			=====	=====	
		Sub Total for Case T	1,618,437	253,224	
			=====	=====	
		Sub Total for Case D&T	1,618,437	1,688,147	
Case: P					
2200-0-	A1 2	Provides the second phase of TRU retrieval from the low level waste burial ground specifically addressing the RINM identified in the Spent Fuel Vulnerability Study. In addition, apprx. 400 kg's of Plutonium are removed from the burial grounds via this retrieval effort. Funding specifically in 1996 is provided to prepare the FDC document, and initiate efforts of the CDR and Safety Analysis.		2,476	
2200-0-	A1 2	Insignificant add'l funding in the planning case to identify any change in workscope.	574	7	
2200-2-	A1 2	Separate NDE/NDA building will be constructed. Quantity of NDE/NDA equipment will increase. Box assay equipment will be procured. Change room facility size will be increased.		4,000	
2200-0-	A2 2	Remote handled transuranic (RH-TRU) containers in Alpha Caissons present a safety and environmental issue upon retrieval. This activity provides for retrieval of these RH-TRU containers currently located in the burial grounds. Treatment of these containers is currently planned at the WRAP 2B facility addressed by TPA milestone M-33-00. Funding specifically is provided for review/upgrade of the existing engineering study based upon improvements to remote handling equipment technology. This study is preparatory to the FDC.		127	
2200-0-	A2 2	Provide personnel training enhancements and provide add'l Capital Equipment funding for vehicles, equipment, and materials to support facility operations, and replace aging equipment. Add'l storage would be available via "Sprung Structure" type procurement.	1,050	2,507	
2200-0-	A2 3	Provides increased support for cost estimating and budget validation.	4,435	3,427	

4/19/94

9:54 am

Table: Pri96.db

Report: #1

Sub

FY95/FY96 INTEGRATED EM PRIORITY LIST

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 109

Ads#	Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: P							
				Procures storage casks for high activity waste. Privatization of Thermal Treatment is assumed to be successful with waste treatment occurring in FY96.			
2250-0-		Special Waste Cask Storage	A2 2	Perform design and construction of a waste storage unit to provide interim dry storage for special case waste required to resolve safety issues and support Laboratory Analysis for Tank Farm Waste.		3,569	
2320-0-		a-WDS Safety Assurance	A2 2	Perform asbestos abatement in the T Plant office building in FY 1995. Accelerate correction of more than 140 Waste Remediation Commitment Tracking and 70 QUEST items. Increase staffing to support training and operational safety.	2,596	2,450	
2320-0-		b-T Plant Maintenance and Assessments	A2 2	Accelerate reduction of more than 350 maintenance backlog items. Budget for projected increases in plant assessments: steam, electricity, water, laundry, and electric maintenance.	1,476	3,725	
2320-0-		c-T Plant Maintenance and Assessments (Waste Disposal and Compliance)	A2 2	Budget for projected increases in waste volume and in waste disposal rates.	1,372	647	
2320-0-		d-Liquid Waste Transfers	A2 1	Allow for the possible increase in rail and track fees, which is dependent upon WDS pro rate share of the site rail costs.	152	173	
2320-0-		e-Decontamination/Repair Services	A2 2	Accelerate cleanout of the T Plant canyon and decontaminate/treat more items for the site.	2,115	2,256	
2320-0-		f-Applied Technology and Equipment	A2 5	In addition to the equipment identified in the target case, the following equipment will be procured in support of decontamination activities: 1)FY95: remote handling equipment, CO2 blaster, and more chemical decontamination systems and secondary waste treatment equipment. 2)FY96: laser cutter, an ultra high pressure water system and more containment systems and hazardous storage units. The laser cutter which costs apprx. \$1,000k is needed to support Tank Farms TPA milestone M-45 in the treatment of its LLCE--air lances, pumps, and contaminated equipment.	5,500	5,500	
2320-0-		g-Process Planning (Project W-372, Long Length Waste Item Transfer Port Addition)	A2 2	Fully fund project by adding back 10% productivity commitment.	70	44	
2320-0-		j-T Plant Maintenance and Assessments (Spent Nuclear Fuel Removal/Storage)	A2 1	The O'Leary commissioned "DOE Spent Nuclear Fuel Working Group Report" classified the Shippingport Pressurized Water Reactor Core II spent nuclear fuel, stored in a modified T Plant cell as a "Reactor Irradiated Nuclear Materials" vulnerability concern. Funding is	1,000	4,850	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: P								
					needed to support the plan development, safety documentation, procedure development, and readiness review, for the removal and storage of the fuel. This includes procurement of storage casks to remove 72 spent nuclear fuel elements from the T Plant canyon to a storage destination to be determined.			
4110-0-		Applied Technology	A2		Results in limited assessments of available technologies and impacts independent evaluation of dry storage of N Reactor fuels.	2,100		
4110-0-		Engineering and Systems Integration	A2		Establish technical baselines, produce systems, processes, and analyses which enable construction of facilities and physical remediation of spent nuclear fuels and their current facilities for the Hanford site. Would not be able to complete the characterization activities to support the schedule for removal of fuel and sludge from the K basins. This impacts TPA milestone M-33 which requires an agreed upon plan by 1996 for the removal of fuel by 2002. There would also be a delay of engineering necessary to provide consolidated interim storage and disposition of non K basin fuel.	300	2,100	
4110-0-		Interim Storage Facility Capital	A2		The preconceptual engineering studies supporting the FY 1997 Line Design and engineering activities for the new interim storage facility. No funding is provided for the interim storage facility which will delay the construction and potentially impact the transfer of fuel from K basins.		6,000	
4110-0-		K Area Roof Repair	A2	2	Provide safe roof for operational facilities.	357		
4110-0-		K Basins Program Administration	A2	2	Failure to fund will jeopardize the ability to administrate the increased workscope at K Basins.	300	300	
4110-0-		PNL Support for Fuel Characterization and EIS	A2		Support fuel characterization for the N Reactor and other Hanford fuels for the disposition of the fuel. Also included is support for the EIS preparation. Provide support necessary to meet TPA milestones for Characterization, EIS, and disposition of the fuel.	6,600		
4110-0-		Regulatory and Public Involvement	A2		Funding is needed to provide for the Public Involvement activities and Regulatory and Safety basins for current and future spent fuel disposition alternatives.	1,300		
4110-0-		Spent Nuclear Fuel Projects	A2		This funding is needed to begin urgent upgrades to K Basin water supply, electrical dist., and fire protection system.	1,500		
4190-0-		Organic Disposal	A2	2	Funds the removal of radioactive flammable liquid from B Plant canyon cells to eliminate both an PSR and fire issues. If not funded, a fire hazard remains in the facility. The Tank Integrity and Part B	2,100	400	

4/19/94

9:54 am

FY95/FY96 INTEGRATED EM PRIORITY LIST

Page 111

Table: Pri96.db

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Report: #1

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target
Case: P							
4195-0-	Cesium Capsule Recovery Program Support	A2	6	Permit tasks would also include scope for the tanks and cells that currently store the organics. Would not meet TPA milestone M-20-21. Provides for cask lease for accelerated capsule return from IOTECH, on-site cask documentation, and WESF encapsulation. If not funded, capsule return from IOTECH will not be completed in FY 95, delaying the return by 5-6 months, resulting in anticipated litigation costs. Re-encapsulation process at WESF and on-site cask development will not be initiated in FY 95.	3,558	358	
6623-0-	300 Area Roof Repair	A2	4	Catastrophic roof failure could result in possible serious personnel injury including death. Other possible impacts include loss of fire protection, and possible steam system ruptures. If 313 building demolition is funded in FY 1995, roof repair is not required.	6,300		
6624-0-	PFP Interim Actions	A2		Funds 242-Z duct remediation activities to reduce overall plant risk and radiation zone exposure to nuclear operators. If not funded, will impact the ability to meet radiation dose reduction commitments for interim actions.	2,700		
6640- -	Defueling (Casks)	A2	2	Delay in achieving FFTF shutdown	3,804	1,340	
6640- -	Na/Nak Removal and System S/D	A2	2	Delay in achieving FFTF shutdown	7,000	4,600	
6640- -	Support/Electrical S/D	A2	2	Delay in achieving FFTF shutdown	1,500	500	
6642- -	PFP Mods	A2	2	Delay in achieving FFTF shutdown.	1,200	1,500	
6642- -	Sodium Reaction Facility	A2	2	Delay in achieving FFTF shutdown	8,400	9,900	
6642- -	Sodium Storage Facility	A2	2	Delay in achieving FFTF shutdown	8,000		
6660-0-	Program Integration -- Project Control	A2	3	Project control has been funded through the use of work orders with KEH performing the work. If not funded, project control will have to be funded through overheads.		571	
6660-0-	Program Integration-Site Planning	A2	3	At the planning level, 100% of Site Planning's functions would be funded through Landlord. At levels lower than this, funding will still be required from the Occupancy Pool to meet administrative costs, life cycle planning would not occur for all infrastructure systems, and Modules I and II of the land use and infrastructure planning system could not be developed.		2,375	
6665-0-	General Purpose Facilities Roof and HVAC replacements	A2	2	Incremental FY96 funding includes partial replacement of the 284-E Building roof.		1,349	
6665-0-	SARs	A2	2	The additional funds will allow acceleration of the safety documentation preparation and earlier elimination of the non-compliance. The benefit of the add'l funding is reduced funded		1,476	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority		(\$,000)	(\$,000)	Productivity\	
Ads# Act	RL Grmblly	Workscope Desc	Justification	FY 95	FY 96	Add'l Target

Case: P						
6670-0-	A2 2	Capital Equipment - various commitments/priorities	requirements in the outyears and more positive impact to PNL overhead rates. Code of Federal Regulations (CFR) 41 101-38.402 and 101-25.405. This equipment is required to continue support of construction and restoration activities. All requested units are for replacement of obsolete and far beyond normal service life equipment. Continued use of some construction.		3,875	
6685-0-	A2 2	Proposed Line Items	FY 1997 Line Items will be in budget year - 1 (fallow year). FY 1998 Line items will be in CDR stage and presented for validation. A/E selection would not occur for 97 LIs and CDRs will not be completed for FY 98 LIs.		260	
7100-0-	A2 1	a-222-S Facility Operations (unfunded)	Full support to implement TIMS, Conduct of Operations, Engineering Document Control, and janitorial support will not be achieved.	5,000	5,000	
7100-0-	A2 1	a-222-S Facility Operations (unfunded)	The 222-S LIMS maintenance and operations, EPA Performance Evaluations, and Standards Support to become part of ready-to-serve will not be fully supported. The Programs will continue to pay for these items through the analysis charges.	1,329	2,759	
7100-0-	A2 1	c-325 Facility Operations (unfunded)	Provides the ACL full ready to serve capability. ACL was to be phased in over FY 94, 95, and 96. This level allows ACL II to be fully funded at ready-to-serve level. The programs will continue to pay through analysis charges.	598	1,713	
7100-0-	A2 1	d-WSCF Operations (unfunded)	WSCF will not be adequately funded to maintain the LIMS system. Also, failure to fund add'l unforeseen punch list items could impact both capacity and capability at WSCF.	1,004	1,001	
7100-0-	A2 1	e-Facility CENRTC (unfunded)	Capital equipment required to replace existing and obsolete equipment to support the ready to serve configuration.	2,500	4,200	
7100-0-	A2 3	f-Program Integration (unfunded)	Will not have full support to Methods Rev. & Coordination, administrative procedures, sample data and lab admin. IRM support to transfer data to LABCORE, cost/scheduling activities, and consultants.	665	1,251	
7100-0-	A2 1	g-Auxiliary Labs (unfunded)	Delays full ready to serve funding for 1706KE and 2703E laboratory maintenance activities.	245	253	
7100-0-	A2 1	h-Field Analytical Services (unfunded)	Delays the ready to serve base funding of FAS. This activity will continue to be funded by the Programs.	2,348	2,304	
7100-0-	A2 1	k-222-S Laboratory/Facility Upgrades (unfunded)	Lack of funds would result in delays in completion of 2 to 4 of the planned room renovations and will impact the ability to support the	2,445	2,312	

4/19/94

FY95/FY96 INTEGRATED EM PRIORITY LIST

Page 113

9:54 am

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Table: Pri96.db

Report: #1

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
			RL	Grmbly				

Case: P								
7360-	-	Coal	A2		ready to serve level for projected sample analysis. Needed to power 200/300 Area Steam Plants.	23		
7360-	-	Process Spares	A2		Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.	100	982	
2200-0-		Solid Waste Permitting and Closures	B1	6	Provides updated NEPA documentation for ongoing activities in the Solid Waste low level burial ground.	2,478	2,407	
2200-0-		WRAP 2B (W-255)	B1	2	This facility provides a large hot cell to process RH-TRU and boxed TRU waste that is physically too large to be processed through WRAP 1. This facility is currently addressed by TPA milestone M-33-00. Funding specifically in 1996 is provided to prepare the FDC document and initiate efforts on the CDR and Safety Analysis.		1,171	
2220-1-		WRAP 1 (W-026)	B1	2	Add'l funding provides for staffing increases to start up the TRU line.		6,331	
2230-1-		WRAP 2A (W-100)	B1	3	This project will provide the processing necessary to prepare and certify Hanford retrievably stored and newly generated solid mixed low level wastes (MLLW) for final disposal. Funding at this level would result in no delay to the TPA milestone M-19-00 schedule.	5,573	22,005	
2250-0-		Burial Ground Closure (W-329)	B1	6	This activity supports the requirements of the Burial Ground Part B Permits. This activity allows for relocation of infrastructure (e.g., Roads, rails, utilities) that will be impacted by the burial ground closure activities of ADS 2200-0-AE. Funding specifically in 1996 is provided to prepare the FDC document, and initiate efforts on the CDR and Safety Analysis.		1,046	
2250-0-		Phase VI Storage (W-318)	B1	2	Solid Waste Protection Model predict a shortfall in RCRA compliant storage by the year 2002. This facility is a continuation of the phased storage construction approach currently managed by Solid Waste. The incremental increase in storage is based upon projects provided by the SWPM. Funding, specifically in FY96, is provided to prepare the FDC document, and initiate efforts on the CDR and Safety Analysis.		352	
2250-0-		TRUSAF Extension/Expansion (W-319)	B1	4	Continued/expanded compliant storage of TRU waste at the existing TRUSAF facility. Delays in WIPP opening requires extended facility life. Facility required for high gram TRU drums. Funding specifically in FY 96 is provided to prepare the FDC document, and initiate efforts on the CDR and Safety Analysis.		1,583	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: P						
2250-0-	Thermal Treatment (W-242)	B1 4	Provides for the design and construction of a facility to thermally treat contact handled low level mixed waste requiring thermal treatment mostly due to the presence of hazardous constituents in the waste form. The need for the activity is predicated on the availability of private entities to provide thermal treatment. If the Thermal Treatment RFP from ADS #2200-0-BA does not come to fruition, then the construction of this facility will be mandated by RCRA and TSCA requirements against indefinite storage of waste forms. Funding specifically in FY96 is provided to prepare the FDC document and initiate efforts on the CDR and Safety Analysis.		2,394	
2320-0-	l-Decontamination Process Planning (Includes planning for T Plant replacement facility, if required)	B1 4	Supports planning activities required by TPA milestone M-33, to upgrade an existing facility (T Plant or another), modify an existing project (WRAP-B, etc.) or permit and design an entirely new facility. Funding is needed for all treatment process planning regardless of the facility selected, and for all pre-construction costs for a T-Plant replacement facility project (if required).	3,500	3,500	
2320-2-	h-Project W-259, T Plant Secondary Containment and Leak Detection	B1 2	Fully fund line item by adding back 10% productivity commitment.	30	80	
4110-0-	MKII Repackaging	B1 2	Failure to repackage MKII canisters in K West Basin will result in increasing contamination levels in the basin water. Failure to repackage will directly impact TPA milestone M-34-00.	300	300	
4110-0-	RCRA Closure/1706KE Waste Treatment System	B1 2	Ensure compliance with RCRA requirements.	106	95	
4190-0-	B Plant Environmental Compliance	B1 2	Funds ongoing management of the liquid and gaseous effluent systems, NESHAPs, Part B Permit, and Tank Integrity Assessments. If not funded, B Plant would be in non-compliance with RCRA, WAC, CAA, and Tri-Party milestones M-20-21 (Part B Permit) and M-32-07 (Tank Integrity Assessment). Also, required capital funding will not be provided.	1,220	300	
6620-0-	Facility Operations Environmental Compliance Oversight	B1 2	If unfunded, required support to oversee environmental compliance activities would not be available.	879	905	
6622-0-	PUREX UO3 Deactivation	B1 4	If not funded in FY 95, the deactivation of the utility systems and N Cell will be delayed from the scheduled completion dates. If funding for these activities is restored in FY 96, the schedule delays could be managed so not to delay the overall completion date for the project.	1,634		

4/19/94

9:54 am

FY95/FY96 INTEGRATED EM PRIORITY LIST

Page 115

Table: Pri96.db

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Report: #1

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: P						
6623-0-	300 Area Fuels RCRA Closure Actions	B1 2	The RCRA closure process for 303K Mixed Waste Storage Facility, the Waste Acid Treatment Facility System and 304 Concretion Facility would be delayed on a year-for-year basis. New TPA milestones will be established upon approval of the closure plans. If closure actions are not funded, DOE and WHC would be considered in violation of the Tri-Party Agreement, RCRA, and WA State Hazardous Waste Management Act, and could result in criminal fines and penalties.	1,526	1,104	
6623-0-	Office Space	B1 2	If not funded, 333 Building will be needed for 300 Area Fuel supply personnel and could not be shutdown. Incremental costs of approximately \$350K per year would be required to provide steam to 333 Building.	350		
6624-0-	PPF EIS Preparation	B1 6	If unfunded, delays in the development of NEPA documentation will cause the plant to remain in a high hazard standby condition for extended periods.	2,500		
6624-0-	PPF Environmental Compliance	B1 2	Funds all capital requirements (CENTRC and GPPs) for PPF. Loss of these funds would eliminate the flexibility to respond to unforeseen problems and failures which, per the history of the plant, occur every year.	4,700	2,500	
6641- -	RCRA Closure Actions	B1 2	Does not support M/S M-20-00	1,200		
7100-0-	i-Project Support under Directive	B1	Expense support to projects authorized under directive.	279		
7100-0-	j-LIMS development/implementation (unfunded)	B1 1	Limited funds may result in impacts to LIMS/LABCORE upgrades requiring extensive configuration or development effort.	240		563
7100-0-	l-325 Facility Upgrades (unfunded)	B1 1	Continues renovation of analytical laboratories to achieve capability and capacity required for Hanford mission.			300
7100-0-	m-222-S Productivity/Process Improvements (unfunded)	B1 1	Limited funds would impact ongoing improvements (i.e., slic enhancements, organic chemical methods development, 222-S technology development) in addition to delaying implementation of new process improvements (inorganic chemical methods development and manipulator study).	947		411
7100-0-	n-GPP/Small Projects (unfunded)	B1 1	Funds small projects that have been routinely identified each year.	300		1,000
7110-0-	Expense support to Projects (unfunded)	B1 3	Engineering studies, FDCs, CDRs, and conceptual planning for the FY 1997 thru FY 2000 candidate projects.	2,100		997
7250-0-AE	HMP	B1 3	HMP "Program Integration" roll up of program crosscut data to analyze from a site perspective common issues impeding progress, conflicts between programs and omission. Issue management team to clarify, assign, and track site wide issues to assure ownership and timely	2,077		2,180

4/19/94

9:54 am

FY95/FY96 INTEGRATED EM PRIORITY LIST

Page 116

Table: Pri96.db

BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Report: #1

Sub	Priority		(\$,000)	(\$,000)	Productivity\
Ads# Act	RL Grnbly	Workscope Desc	FY 95	FY 96	Add'l Target

Case: P					
		resolution. Build a planning database system linking HMP analysis with SE and FYP. The Planning database system will allow decision making (including stakeholders) to review alternatives, run comparisons, and see the site picture associated with alternatives.			
7330-	B1 2	NRDA Coordination	217	222	
7330-	B1 2	Site-wide NEPA EIS		200	
7330-	B1 2	TSD Permit Requirements		392	
		Provide management support to Hanford site NRDA activities, including coordination of HRA-EIS and NRDA activities, Natural Resource Injury Assessment, and Baseline Ecosystem Vegetation Mapping.			
		Supports initiation of site-wide NEPA EIS			
		Supports Captial Equipment vehicle, boat, and computer purchase. Failure to provide adequately tracked RCRA permit compliance requirements, and complete sitewide RCRA permit inspections.			
7330-	B1 2	TSD Permit Requirements	600	1,519	
		Supports remaining site-wide activities (i.e., pipeline mapping/marking) required by the Hanford Facility RCRA/Dangerous waste permit.			
7340-0-	B1 2	NESHAP		5,000	
7340-0-AC	B1 2	Groundwater Support activities		645	
7340-0-AC	B1 2	Project Scientist Support		1,027	
7340-0-AC	B1 2	RCRA Reporting and Data Management		408	
7340-0-AD	B1 2	Groundwater Well Maintenance/Decommissioning		997	
7340-0-BA	B1 2	Compliance and Technical Management		140	
7340-1-AG	B1 2	Groundwater Well Drilling Support	347	560	
7340-1-AG	B1 2	W-152 RCRA and Operational Well Drilling	12,500	10,000	
8400-0-CB	B1 2	Hanford Ecological Compliance Assessment	554	561	
8400-0-LA	B1 2	NEPA compliance program	116	143	
		RCRA, WAC, and 40CFR265 require data management of GW data/Noncompliance due to lack of records			
		Well must be maintained for groundwater monitoring, 40CFR265/Without wells, GW monitoring does not function			
		Reporting and compliance with air emissions/Air Emissions Report not submitted to EPA			
		Technical support to GW well planning/Noncompliance with TPA			
		Technical support to GW Well Planning/Noncompliance with TPA			
		Regulatory requirements for protection of endangered wildlife, habitat, and vegetation during operation of the Hanford Site. If not funded, fines and work stoppages may result.			
		Regulatory requirement to assess environmental compliance of PNL programs. If not funded, would eliminate review of bench-scale research activities for NEPA compliance, preparation of generic CXs, and conducting appraisals of PNL centers for NEPA compliance verification.			

4/19/94

FY95/FY96 INTEGRATED EM PRIORITY LIST

Page 117

9:54 am

BY CASE BY RL PRIORITY

Table: Pri96.db

(D=Decrement, T=Target, P=Planning)

Report: #1

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target
Case: P							
8400-0-VA	Interim Storage of HBEP Irradiated Fuel	B1	4	Contractual requirement to remove nuclear fuel. If not funded, DOE irradiated fuel will not be removed from commercial reactor in a high density population area to a DOE site.			76
2320-0-	k-Railcar Disposition	B2	2	Develop work plan and begin disposal of an unused wooden flat car and two LWTCs in FY95 instead of in FY98 (after they are replaced by new LWTCs).	500	1,500	
2320-1-	i-Project C-077, T Plant Ventilation Upgrade	B2	2	Fully fund line item by adding back 10% Productivity Commitment.			60
4110-0-	K Area Security Upgrades	B2	2	Ensure compliance with DOE security requirements for SNM.			1,200
4110-0-	K Basins Environmental Compliance modifications	B2	2	Upgrades to provide compliance with environmental monitoring requirements.	389		265
4110-0-	KE/KW Systems Upgrades	B2					45
6675-0-	General Plant Projects - 300 Area Cable Replacement	B2	2	This project replaces the overhead signal cable in the 300 Area. This cable is installed in the 1950s and is now obsolete, deteriorated, unreliable, and creates an overhead obstruction. The signals that travel on the cable are still needed and provide critical alarms and site evacuation messages.			2,200
7360- -	Essential Materials	B2		Includes container/drums to store waste.	10		(6)
8400-0-ZA	300 Area RH-MW Treatment System	B2	4	Initiates treatment/disposal of RH-RMW for 324 B Cell. If not funded, increases regulatory risks and long-term safety risks.	538		1,511
2320-0-	m-IRU Operation	C1	5	The Inspection Repackaging Unit (IRU) is necessary for the sampling, assaying, and repackaging of solid waste containers to meet WAC 173-303 requirement. The unit is designed to be capable of being moved between work sites as needed.	600		800
4110-0-	K Basins Mechanical System Corrective Actions	C1	2	Failure to fund this will result in continued infrastructure and equipment conditions that do not meet DOE Order 6413.1A, Division 15, General Design Criteria-Mechanical.	2,000		2,000
6624-0-	PPF Project Support	C1	2	Provides expense funding to manage ongoing PFP GPPs, and Small Projects. Includes project engineers to follow projects, as well as Engineering Studies, FDCs, and CDRs. Impact of eliminating these funds is to jeopardize the continued safe operation of PFP, as well as the loss of experienced technical personnel.	659		674
7360- -	Radio equipment	C1		Radio equipment including cellular phones.		1	
7360- -	Telecommunication	C1		Parts for faxes, computers, radios, and telephone equipment.		33	33
2320-0-	n-Legacy Waste Cleanup	C2	2	Stabilize or dispose of legacy waste in and around the T Plant facilities. Presents potential exposure and industrial safety	1,250		1,584

4/19/94

9:54 am

Table: Pri96.db

Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 118

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: P						
2320-0-	o-T Plant Head End Cleanup	C2 2	concerns. Dispose of chemicals and obsolete process equipment which pose an industrial safety concern. (OSHA, ALARA)	500	1,500	
6660-0-	Program Integration--Capital Asset Management Process (CAMP)	C2 4	If not funded, the systems and assets will continue to deteriorate without a structured program in place to identify and address the potential problems. This increases the likelihood of imminent safety hazards going unnoticed and greatly increases the potential for more accidents and the possibility of another fatality.		1,517	
6665-0-	Expense Funded Projects--General Purpose Facilities maintenance and repairs	C2 2	Includes North General Purpose Facility maintenance, all of the PNL corrective maintenance and PNL preventative maintenance. Also includes carpenter services for the North general purpose facilities.		12,075	
2200-0-	Fire Safety Implementation	D1 2	Ability to perform Fire Hazard Analysis for Solid Waste facilities required by DOE Order 5480.7A and pollution prevention opportunities as directed by Executive order 12856.	500	511	
2200-0-	Pollution Prevention	D1 2	Ability to perform Fire Hazard Analysis for Solid Waste facilities required by DOE Order 5480.7A and pollution prevention opportunities as directed by Executive order 12856.		528	
2250-0-	ADV LLW Disposal Facility (W-174)	D1 2	Current disposal practices are expected to be adequated for Category I LLW based on initial performance assessment analysis. However, current disposal practices for Category III LLW requires greater confinement on a case-by-case basis. This activity provides for new LLW-Category III permanent disposal facility that uses lined trenches in which any size or shape object can be placed and then surrounded with grout. The surrounding grout matrix limits the mobility of radionuclides and gives structural stability which prevents future settlement. The trench ling reduces water and oxygen movement creating an anerobic environment within the disposal facility. A cap		127	
2250-0-	LLW Handling Facility (W-247)	D1 2	Provides for the established facilities and equipment for volume reduction and reclamation of solid LLW for the entire Hanford Site. The specific activities to be perfromed in the facility are NDA/NDE, Physical and Assay Sorting, Decontamination Recycling, and Supercompacting. Funding specifically in FY96 is provided for engineering study of the feasibility, design alternatives, and cost benefit of this activity.		254	
2320-0-	p-Pollution Prevention and Waste Minimization	D1 6	Implement pollution prevention and waste minimization opportunities as directed by Executive order 12856.		478	

4/19/94

9:54 am

FY95/FY96 INTEGRATED EM PRIORITY LIST

Page 119

Table: Pri96.db

BY CASE BY RL PRIORITY

(D=Decrement, I=Target, P=Planning)

Report: #1

Sub	Priority				(\$,000)	(\$,000)	Productivity\
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY 96	Add'l Target

Case: P							
2300-0-	300 Area TEDF - Office Facility	D2	2	Provides for upfront engineering/procurement for office space in the 300 Area TEDF. No office space is associated in the treatment building. Current staff will be housed in leased trailers. Impacts: After 2 years, leased trailers will be removed and engineering, maintenance, and support staff will require alternate housing. Delay in support will hinder operations, increasing plant downtime, and not support Cost and Management Efficiency Initiative in TPA.	342	2,045	
7250-0-AA	a-Risk Assessment	D2	3	With this increment to the target level funding, the public health baseline risk assessment will be completed in FY 1995.	589		
7250-0-AA	b-Risk Assessment	D2	3	With this increment, the worker health baseline risk assessment will be completed. If not funded in FY 1995, the increment in FY 1996, over the target level, will be required to complete the assessment.	1,800	678	
7250-0-AA	c-Risk Assessment	D2	3	With this increment, the assessment of public health risks that will exist at the end of cleanup, consistent with the current Tri-Party Agreement, will be initiated. If not funded in FY 1995, the increment in FY 1996 will be needed to complete the assessment.	896	3,529	
7332- -	Pollution Prevention	D2	2	Supports pollution prevention site-wide implementation and continuation of hazardous materials reduction activities.	710	727	
2300-0-	200 Area Systems Engineering Treatability Testing	E1	5	Contingent funding for add'l treatability testing in support of the 200 Area ETF operation enhancements.	554	1,080	
6680-0-	Line Items--Project identification and Scoping	E1	5	Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is jeopardized, state and federal laws cannot be met, and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are available with sufficient capacity when needed.		1,262	
7360- -	General Supplies/Computers	E1		Includes office furniture, computers, and software. Also essential items for fire protection and medical supplies.	10		
7360- -	Process Spares Administration	E1		Administration, planning, reporting, and training for Process Spares, telecommunications, and essential materials. Includes reorders, shelf criteria, assist in annual physical inventories, and perform spares annual review.	19	14	
7360- -	Reserve Allowance for Loss	E1		Set aside reserve for inventory losses from damaged, disposal,	411	202	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target
Case: P								
7360-	-		Warehouse	E1	excess, shrinkage, or deterioration. Occupancy of 2101M and 275EA	1	(22)	
7360-	-		Warehouse Administration	E1	Warehousing receiving and transportation of inventories of area warehouse.	(15)	118	
4190-0-			B Plant Cleanout and Stabilization (CSP)	F1 4	Implements the Cleanout and Stabilization Plan, which is required to cleanout/stabilize B Plant, reducing the classification of the facility to a low-hazard facility. If not funded, B Plant would be unable to transition to standby. The existing source term would remain in the present condition resulting in continued higher hazard classifications of B Plant. Funding requirements for the operations and maintenance of the facility would remain high due to the inability to transition to more economical consolidated systems.	4,034	6,323	
4190-0-			WESF Separation Study	F1 4	Funds the engineering study to define the project scope to separate B Plant and WESF. If not funded, the project to make WESF a stand alone facility and permit total B Plant shutdown could not be achieved.	200	474	
6620-0-			Systems Engineering/Strategic Planning	F1 3	Failure to fund this effort will result in Facility Operations deactivation plans not being understood in terms of their impact to the site and the site mission to clean up Hanford. The DNFSB has been requiring new projects to understand how they interface and relate to other site cleanup operations, prior to approval of funding requests. How Facility Ops activities fit into the cleanup mission will remain little understood and the ability to obtain future funding is jeopardized.	672	687	
6623-0-			300 Area Shutdown	F1 4	If not funded, the 300 Area Fuel Supply facilities will not be transferred to R&R Program and the Surveillance and Maintenance programs will be needed to continue (apprx. \$3.0M per year) until after FY2000, depending upon funding.	1,638	1,846	
6623-0-			Building Demolition	F1 4	If not funded, unacceptable safety hazard would remain, which could cause costly emergency action and/or serious injury to employees, including death. A one-year delay will result if not funded in FY 95. (\$5.0M is funded in FY 96 to initiate building demolition.)	10,000	2,000	
6625-0-			PPF Plant Life Extension (PLEX)	F1 2	Failure to fund PLEX upgrades will result in a facility that can no longer maintain the storage of SNM/NM/NF in a manner compliant with all DOE Orders. The facility systems are getting too old to reliably maintain. Replacement or alternate utility sources and other	2,400	2,455	

4/19/94
 9:54 am
 Table: Pri96.db
 Report: #1

FY95/FY96 INTEGRATED EM PRIORITY LIST
 BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	Productivity\ Add'l Target

Case: P						
8400-0-JA	Clean-up of PNL Labs in 242B/BL and 2718E bldg	F1 4	strategic upgrades will allow for the safe, efficient deactivation of some portions of the facility while allowing other portions to continue to perform interim SNM/NM/NF storage. Provides legacy facility cleanout. If not funded, creates long term ES&H risks and non-compliance with DOE Orders; continued costs for S&M of lab spaces to maintain safe conditions.	273	839	
8400-0-UA	SMS Implementation	F1 3	Implements Hanford Site Management System. If not funded, PNL will be out of compliance with RL policy directive RLIP 5000.5 and Site Management Plan.	707	712	
				=====	=====	
Sub Total for Case P				172,110	221,676	
				=====	=====	
Sub Total for Case P				172,110	221,676	
				=====	=====	
Grand Total				1,790,547	1,909,823	

TELETYPE UNIT

IV.b - RL Integrated Priority List (Integrated by Program Element)

Report #2

Table: Pri96.db

Title: By Program by Case by RL Priority

Case: D=Decrement, T=Target, P=Planning

Summary Explanation of Report:

This report provides a total site (Waste Management, Facilities Transition and Environmental Restoration) integrated priority list. The information is packaged as follows:

* Data is listed by program area with decrement case first, then required target increments, then increments associated with the Planning Case.

In other words, this report will begin with the Advanced Reactor program and will provide the prioritized workscope and estimates contained with the Decrement Case, then the incremental prioritized scope and dollars associated with the Target Case, and finally the additional incremental scope and dollars associated with the Planning Case.

The scope within each program's Decrement, Target and Planning Cases is sorted by RL priority (A1 first, F1 last).

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 1

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog Id: B	Program: Advanced Reactor									
Case: D										
6640-	-	FFTF Base (minsafe)	A2	2	Safe facility requirements not achieved				29,000	
6640-	-	FFTF CENTRC (minsafe)	A2	2	Safe facility requirements not achieved				200	
6640-	-	FFTF SAS (minsafe)	A2	2	Safe facility requirements not achieved				2,100	
6640-	-	FFTF Shutdown Project Office A/B	A2	2	Direction and coordination of shutdown effort not provided.				900	
6641-	-	308 Bldg O&M	A2	2	Delays 308 bldg closure				600	
6640-	-	Environmental Protection	B1	2	Facility Wastes not properly dispositioned				1,600	
6641-	-	308 Bldg. Surveillance	B1	2	Building OSR violations and environmental compliance issues				700	
6641-	-	Legacy Occupancy	B2	2	Safe facility requirements not achieved.				300	
6641-	-	NE legacies	B2	2	Disposition of legacy facilities suspended				1,400	
6641-	-	TRIGA fuel disposition	B2	2	Delays 308 bldg closure, TRIGA fuel remains in 308				700	
-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.				(731)	
-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.				(4,238)	
					=====		=====			
					Sub Total for Case D		0		32,531	
Case: T										
6640-	-	Defueling (Casks)	A2	2	Delay in achieving FFTF shutdown				2,204	
6640-	-	FFTF Base (minsafe)	A2	2	Safe facility requirements not achieved	28,300				
6640-	-	FFTF CENTRC (minsafe)	A2	2	Safe facility requirements not achieved	400				
6640-	-	FFTF SAS (minsafe)	A2	2	Safe facility requirements not achieved	2,600				
6640-	-	FFTF Shutdown Project Office	A2	2	Direction and coordination of shutdown effort not provided.	900				
6640-	-	Fuel offload	A2	2	Delay in achieving FFTF shutdown				1,900	
6640-	-	Fuel offload	A2	2	Delay in achieving FFTF shutdown				7,000	**
6640-	-	Fuel offload	A2	2	Delay in achieving FFTF shutdown	9,000				
6640-	-	Na/Nak Removal and System S/D	A2	2	Delay in achieving FFTF shutdown				1,000	
6640-	-	Na/Nak Removal and System S/D	A2	2	Delay in achieving FFTF shutdown	1,000				
6640-	-	Support/Electrical S/D	A2	2	Delay in achieving FFTF shutdown				5,900	**
6640-	-	Support/Electrical S/D	A2	2	Delay in achieving FFTF shutdown	5,900				
6641-	-	308 Bldg O&M	A2	2	Delays 308 bldg closure	500				
6642-	-	Fuel Storage Casks	A2	2	Delay in achieving FFTF shutdown.	4,296			3,025	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ad#	Act	Sub	Workscope Desc	Priority RL Grmbly	Justification	(\$,000)			(\$,000)		
						FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: B Program: Advanced Reactor											
Case: T											
6642-	-		Interim Storage Area	A2 2	Delay in achieving FFTF shutdown	300					
6642-	-		Sodium Storage Facility	A2 2	Delay in achieving FFTF shutdown				6,000		**
6640-	-		Environmental Protection	B1 2	Facility Wastes not properly dispositioned	1,400					
6641-	-		308 Bldg. Surveillance	B1 2	Building OSR violations and environmental compliance issues	700					
6641-	-		Legacy Occupancy	B2 2	Safe facility requirements not achieved.	300					
6641-	-		NE legacies	B2 2	Disposition of legacy facilities suspended	1,100			771		
6641-	-		TRIGA Fuel disposition	B2 2	Delays 308 bldg closure, TRIGA fuel remains in 308	1,000					
-	-		G & A Rate Reduction	F1	Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(1,000)			(129)		
-	-		Productivity Commitment	F1	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(5,670)			(748)		
						=====			=====		
Sub Total for Case T						51,026			26,923		
						=====			=====		
Sub Total for Case D&T						51,026			59,454		
Case: P											
6640-	-		Defueling (Casks)	A2 2	Delay in achieving FFTF shutdown	3,804			1,340		
6640-	-		Na/Nak Removal and System S/D	A2 2	Delay in achieving FFTF shutdown	7,000			4,600		
6640-	-		Support/Electrial S/D	A2 2	Delay in achieving FFTF shutdown	1,500			500		
6642-	-		PFP Mods	A2 2	Delay in achieving FFTF shutdown.	1,200			1,500		
6642-	-		Sodium Reaction Facility	A2 2	Delay in achieving FFTF shutdown	8,400			9,900		
6642-	-		Sodium Storage Facility	A2 2	Delay in achieving FFTF shutdown	8,000					
6641-	-		RCRA Closure Actions	B1 2	Does not support M/S M-20-00	1,200					
						=====			=====		
Sub Total for Case P						31,104			17,840		
						=====			=====		
Sub Total for Case P						31,104			17,840		

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
			RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I

Prog_Id: B Program: Advanced Reactor

Case: P

Sub Total Case D,I & P for Advanced Reactor

82,130

77,294

* This activity is included on the Productivity Commitment by RL Priority report.

**This activity is included on the Additional Target by RL Priority report.

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: YL	Program: Analytical Services								
Case: D									
7100-0-	a-222S Facility Operations	A2	1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the 222-S Laboratory Facility Complex to keep the facility in a ready-to-serve mode.					25,605
7100-0-	b-325 Facility Operations	A2	1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the 325 Laboratory Facility Complex to keep the facility in a ready-to-serve mode.					11,500
7100-0-	c-WSCF Operations	A2	1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the WSCF Complex to keep the facility in a ready-to-serve mode.					10,200
7100-0-	d-Facility Operations	A2	1	Assessment to the TWRS program to support base operations.					(5,000)
7100-0-	e-Facility CENRTC	A2	1	Capitla equipment required to replace existing and obsolete equipment to support the ready-to-serve configuration.					3,800
7100-0-	f-Program Integration	A2	3	Supports Hanford Analytical Services program management and integration, and Quality Assurance.					3,404
7100-0-	g-Auxiliary Labs	A2	1	Provides for the routine operation, maintenance, and repair of the 2703E and 1706KE Laboratories in a ready to serve mode.					1,130
7100-0-	h-Field Analytical Services	A2	1	This activity provides minimal base funding for the sample and mobile laboratories.					200
7100-0-	k-LIMS development/implementation	B1	1	The Laboratory Information System (LIMS) is required to replace the outdated system at 222-S and provide new systems for 325 and WSCF. This project is currently ongoing with continued implementation of new features and functionality through systems configuration and development activities. An add'l \$1.7M is funded by TWRS characterization ADS 1130.					1,600 *
7100-0-	l-222-S Laboratory Facility Renovations	B1	1	Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds two rooms in FY 1996. An					1,800 *

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)
FY 95

FY95P FY95I

(\$,000)
FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 5

Prog_Id: YL Program: Analytical Services

Case: D

7100-0-	l-222-S Laboratory Facility Renovations	B1	1	add'l \$2.8M in FY 1996 is funded by the TWRS Characterization ADS 1130. Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds two rooms in FY 1996. An add'l \$2.8M in FY 1996 is funded by the TWRS Characterization ADS 1130.				300
7100-0-	m-325 Facility Renovations	B1	1	Capacity upgrades required to support at the ready-to-serve level. An add'l \$2.3M in FY 1996 is funded by the TWRS characterization ADS 1130. Renovate add'l square footage of the Radiochemistry Laboratory Suite and the Inorganic Analysis Laboratory Suite. Failure to receive the funding to continue the renovation of these laboratory areas will leave the ACL with a reduced analytical capacity from that which was originally available. This is due to the fact that the renovations will be interrupted mid-way through the process and the laboratory suites will be left in a state of partial completion.				1,500 *
7100-0-	p-222-S Productivity/process improvements	B1	1	This funds efforts to bring the cost per sample analysis down by implementing cost-saving improvements that require up front investment.				1,300
7100-1-	i-Project Support under Directive	B1	3	Expense support to projects authorized under directive and preliminary engineering studies to examine the feasibility and workscope of a proposed project.				775
7100-3-	k-219-S Tank Upgrades (W-178) M-32	B1	2	This project will provide the 219S facility with secondary containment for tanks 101, 102, and 103. The project is required to support the TPA milestones M-32 and the Part B permit for the 222-S.				811
7110-0-	o-Expense Support to Projects	B1	1	Engineering studies, FDCs, CDRs, and conceptual planning for the candidate construction projects. Supports continued availability of laboratory facilities.				169

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)			
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: YL Program: Analytical Services										
Case: D										
7100- -	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse level General and Administrative (G&A) overhead rates.					(1,000)	
7100- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.					(5,470)	
					=====		=====			
					Sub Total for Case D		0		52,624	
Case: T										
7100- -	d-Facility Operations	A2	1	Assessment to the TWRS program to support base operations.	(5,000)					
7100-0-	a-222S Facility Operations	A2	1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the 222-S Laboratory Facility Complex to keep the facility in a ready-to-serve mode.	27,500				2,351	
7100-0-	b-325 Facility Operations	A2	1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the 325 Laboratory Facility Complex to keep the facility in a ready-to-serve mode.	11,900				700	
7100-0-	c-WSCF Operations	A2	1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the WSCF Complex to keep the facility in a ready-to-serve mode.	9,897					
7100-0-	e-Facility CENRTC	A2	1	Capitla equipment required to replace existing and obsolete equipment to support the ready-to-serve configuration.	3,100					
7100-0-	f-Program Integration	A2	3	Supports Hanford Analytical Services program management and integration, and Quality Assurance.	3,230					
7100-0-	g-Auxiliary Labs	A2	1	Provides for the routine operation, maintenance, and repair of the 2703E and 1706KE Laboratories in a ready to serve mode.	1,130					
7100-0-	l-325 Lab Hot Cell Cleanout	B1	1	Complete cleanout of "B" Cell in the high level radioactive facility. An add'l \$3.0M is funded by the TWRS Characterization ADS 1130.	1,800					
7100-0-	m-LIMS development/implementation	B1	1	The Laboratory Information System (LIMS) is required to	1,700				*	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 7

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		FY96P	FY96I
		RL	Grmbly		FY 95	FY95P	FY 96	FY96I		

Prog_Id: YL Program: Analytical Services										
Case: T										
7100-0-	n-222-S Laboratory Facility Renovations	B1	1	replace the outdated system at 222-S and provide new systems for 325 and WSCF. This project is currently ongoing with continued implementation of new features and functionality through systems configuration and development activities. An add'l \$1.1M in FY 1995 and \$1.1M in FY 1996 is funded by the TWRS Characterization ADS 1130. Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds three rooms in FY 1995.	539					
7100-0-	n-222-S Laboratory Facility Renovations	B1	1	Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds three rooms in FY 1995.	2,300	*				
7100-0-	o-325 Facility Renovations	B1	1	Capacity upgrades required to support at the ready-to-serve level. An add'l \$1.7M in FY 1995 is funded by the TWRS Characterization ADS 1130. Renovate add'l square footage of the Radiochemistry Laboratory Suite and the Inorganic Analysis Laboratory Suite. Failure to receive the funding to continue the renovation of these laboratory areas will leave the ACL with a reduced analytical capacity from that which was originally available. This is due to the fact that the renovations will be interrupted mid-way through the process and the laboratory will be left in a state of partial completion.	1,500	*				
7100-0-	p-222-S Productivity/process improvements	B1	1	This funds efforts to bring the cost per sample analysis down by implementing cost-saving improvements that require up front investment.	800					
7100-0-	q-GPP/Small Projects	B1	1	Funds GPP small projects that have been routinely identified each year. Identified GPP in FY 1995, in FY 1996, W-368 Laboratory Maintenance Annex, W-370 222-S Septic System.	1,200			1,500		

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grnbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: YL	Program: Analytical Services								
Case: T									
7100-1-	h-Project Support under Directive	B1	3	Expense support to projects authorized under directive and preliminary engineering studies to examine the feasibility and workscope of a proposed project.	531				
7100-2-	i-W-087 Radioactive Liquid Waste Line Replacement	B1	2	This project will replace the radioactive waste drain piping from the hot cells in 222-S to 219-S and provide a new transfer route from 219-S to the tank farms. This project is required to support the Part B permit for the 222-S facility and the TPA milestone M-32.	107			101	
7100-2-	j-W-087 Radioactive Liquid Waste Line Replacement	B1	2	This project will replace the radioactive waste drain piping from the hot cells in 222-S to 219-S and provide a new transfer route from 219-S to the tank farms. This project is required to support the Part B permit for the 222-S facility and the TPA milestone M-32.	500	*		100	*
7100-2-	j-W-087 Radioactive Liquid Waste Line Replacement	B1	2	This project will replace the radioactive waste drain piping from the hot cells in 222-S to 219-S and provide a new transfer route from 219-S to the tank farms. This project is required to support the Part B permit for the 222-S facility and the TPA milestone M-32.	8,500			4,900	
7100-3-	k-219-S Tank Upgrades (W-178) M-32	B1	2	This project will provide the 219S facility with secondary containment for tanks 101, 102, and 103. The proeject is required to support the TPA milestones M-32 and the Part B permit for the 222-S.	2,080				
7110-0-	o-Expense Support to Projects	B1	1	Engineering studies, FDCs, CDRs, and conceptual planning for the candidate construction projects. Supports continued availability of laboratory facilities.	794			600	
7100- -	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse level General and Administrative (G&A) overhead rates.	(1,000)				
7100- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(6,911)			(965)	
					=====			=====	
Sub Total for Case T					66,197			9,287	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 9

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)			
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I	

Prog_Id: YL Program: Analytical Services												
Case: T												
						=====			=====			
						Sub Total for Case D&T			66,197		61,911	
Case: P												
7100-0-		a-222-S Facility Operations (unfunded)	A2	1	Full support to implement TIMS, Conduct of Operations, Engineering Document Control, and janitorial support will not be achieved.		5,000			5,000		
7100-0-		a-222-S Facility Operations (unfunded)	A2	1	The 222-S LIMS maintenance and operations, EPA Performance Evaluations, and Standards Support to become part of ready-to-serve will not be fully supported. The Programs will continue to pay for these items through the analysis charges.		1,329			2,759		
7100-0-		c-325 Facility Operations (unfunded)	A2	1	Provides the ACL full ready to serve capability. ACL was to be phased in over FY 94, 95, and 96. This level allows ACL II to be fully funded at ready-to-serve level. The programs will continue to pay through analysis charges.		598			1,713		
7100-0-		d-WSCF Operations (unfunded)	A2	1	WSCF will not be adequately funded to maintain the LIMS system. Also, failure to fund add'l unforeseen punch list items could impact both capacity and capability at WSCF.		1,004			1,001		
7100-0-		e-Facility CENRTC (unfunded)	A2	1	Capital equipment required to replace existing and obsolete equipment to support the ready to serve configuration.		2,500			4,200		
7100-0-		f-Program Integration (unfunded)	A2	3	Will not have full support to Methods Rev. & Coordination, administrative procedures, sample data and lab admin. IRM support to transfer data to LABCORE, cost/scheduling activities, and consultants.		665			1,251		
7100-0-		g-Auxiliary Labs (unfunded)	A2	1	Delays full ready to serve funding for 1706KE and 2703E laboratory maintenance activities.		245			253		
7100-0-		h-Field Analytical Services (unfunded)	A2	1	Delays the ready to serve base funding of FAS. This activity will continue to be funded by the Programs.		2,348			2,304		
7100-0-		k-222-S Laboratory/Facility Upgrades (unfunded);	A2	1	Lack of funds would result in delays in completion of 2 to 4 of the planned room renovations and will impact the ability to support the ready to serve level for projected sample analysis.		2,445			2,312		

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000)			(\$,000)	
				FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: YL	Program: Analytical Services							
Case: P								
7100-0-	i-Project Support under Directive	B1	Expense support to projects authorized under directive.	279				
7100-0-	j-LIMS development/implementation (unfunded)	B1 1	Limited funds may result in impacts to LIMS/LABCORE upgrades requiring extensive configuration or development effort.	240			563	
7100-0-	l-325 Facility Upgrades (unfunded)	B1 1	Continues renovation of analytical laboratories to achieve capability and capacity required for Hanford mission.				300	
7100-0-	m-222-S Productivity/Process Improvements (unfunded)	B1 1	Limited funds would impact ongoing improvements (i.e., slic enhancements, organic chemical methods development, 222-S technology development) in addition to delaying implementation of new process improvements (inorganic chemical methods development and manipulator study).	947			411	
7100-0-	n-GPP/Small Projects (unfunded)	B1 1	funds small projects that have been routinely identified each year.	300			1,000	
7110-0-	Expense support to Projects (unfunded)	B1 3	Engineering studies, FDCs, CDRs, and conceptual planning for the FY 1997 thru FY 2000 candidate projects.	2,100			997	
				=====			=====	
			Sub Total for Case P	20,000			24,064	
				=====			=====	
			Sub Total for Case P	20,000			24,064	
				=====			=====	
			Sub Total Case D,T & P for Analytical Services	86,197			85,975	

* This activity is included on the Productivity Commitment by RL Priority report.
 **This activity is included on the Additional Target by RL Priority report.

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED RISK MANAGEMENT PRIORITY LIST

Page 11

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: EP Program: ER - Remediation									
Case: D									
3010-	RARA - Decon: Stabilization	A2	1	Stabilize waste sites in order to prevent migration of radionuclide contamination (ALARA). Project completion planned FY 1997.					3,031
3010-	RARA S&M w/Herb application	A2	1	Control deep-rooted weed growth (i.e., sagebrush) and other unwanted vegetation (i.e., tumbleweeds) to prevent surface soil contamination.					4,396
3500-	Asbestos Abatement	A2	1	Provide safe work environment by eliminating ACM exposure. Completion of all know high-priority sites (A/B) planned FY 1998 per NESHAP.					3,203
3510-	100 Area Common Act--Assessment	A2	1	Conduct S&M and Risk Assessment/Corrective Maintenance per DOE Order 5820.2A. Completion of all know high risk sites planned FY 1997.					6,566
3520-	232-2/233-S Decon	A2	2	Remove contaminated equipment and Plutonium inventories. Facilities show extreme deterioration.					1,825
3520-	D&D S&M - 200 Areas	A2	1	Conduct S&M until final decommission of 200 Area facilities ensuring worker safety and health per DOE 5820.2A.					3,920
3600-	N Reactor	A2	1						28,854
3100-	100-DR-1 Remediation	B1	1	Receive IROD 3/94 M-16					3,308
3100-	100-DR-2 Assessment	B1	1	Issue proposed plant to regulators 9/95 (proposed TPA)					97
3105-	100-BC-1 Remediation	B1	1	Receive IROD from regulators 5/95 M-16					9,235
3105-	100-BC-2 Assessment	B1	1	Issue proposed plan to regulators 5/95 (proposed TPA)					71
3105-	100-BC-2 Remediation	B1	1	Receive IROD from regulators 12/95 M-16					935
3105-	100-BC-5 Remediation	B1	1						250
3110-	100-KR-4 Remediation	B1	1						229
3115-	100-FR-3 Remediation	B1	1						229
3120-	100 NPL Common Activities	B1	1	Support all M-15 and M-16 TPA milestones					3,123
3120-	100-HR-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.					3,320
3120-	100-HR-2 Remediation	B1	1						248
3120-	100-HR-3 Remediation	B1	1						3,116
3125-	100-NR-1 Assessment	B1	1	Issue proposed plan to regulators 5/96 M-16-01M (proposed					113

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 12

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: EP Program: ER - Remediation										
Case: D										
TPA)										
3125-	-	N Springs (100-NR-2)	B1	1	Initiate preferred alternative M-14					1,275
3200-	-	200-BP-5 Assessment	B1	1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 8/31/94. Continue operation/expanding systems (if successful) during treatability to optimize the cleanup activities.					190
3200-	-	200-BP-5 Remediation	B1	1	Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase. Complete remediation of all past-practice sites by 2018.					5,639
3230-	-	200-UP-1 Assessment	B1	1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 3/31/94. Continue operating/expanding systems (if successful) during treatability to optimize the cleanup activities.					1,206
3230-	-	200-UP-1 Remediation	B1	1	Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase.					1,589
3230-	-	200-UP-1 Treatability	B1	1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 3/31/94. Continue operating/expanding systems (if successful) during treatability to optimize the cleanup activities.					2,070
3235-	-	200-ZP-1 Remediation	B1	1	Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase. Complete remediation of all past-practice sites by 2018.					6,014
3235-	-	200-ZP-2 Remediation	B1	1	Action memorandum issued by regulators in 1/92 requires extraction of carbon tetrachloride from 200-ZP-2. Complete remediation of all past-practice sites by 2018.					4,770
3300-	-	300-FF-1 Remediation	B1	1	Upon finalization of the FS Phase 3 report, a draft proposed plan will be issued to the regulators by 12/31/94, outlining the preferred remedial alternative for the OU. Then, an ROD, based on review of the proposed plan, is anticipated to be received six months after issuance of the draft proposed plan					3,955

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: EP Program: ER - Remediation										
Case: D										
3300-	-	300-FF-5 Remediation	B1	1	(6/30/95). Physical remediation of the OU is to begin no later than 15 months after receipt of the ROD. Requires remediation of all past-practice sites by 2018. Upon finalizaation of the combined RI Phase 2 and FS Phase 3 report, a draft proposed plan will be issued to the regulators by 5/30/95, outlining the preferred remedial alternative for the OU. Then, an ROD, based on review of the proposed plan, is anticipated to be received six months after issuance of the draft proposed plan (10/30/95). Physical remediation of the OU is to begin no later than 15 months after receipt of the ROD. Requires remediation of all past practice sites by 2018.					156
3400-	-	Barrier Development	B1	5	Funds the testing and monitoring of an earthen barrier to isolate buried wastes from the environment. Non funding will result in the inability to complete the full testing of the barrier prototype as well as the cessation of various studies and consultations critical to the verification of the Hanford Barrier prototype as an adequate one for closure of buried waste sites by FY 1998.					1,280
3400-	-	Barrier Development	B1	5	Funds the testing and monitoring of an earthen barrier to isolate buried wastes from the environment. Non funding will result in the inability to complete the full testing of the barrier prototype as well as the cessation of various studies and consultations critical to the verification of the Hanford Barrier prototype as an adequate one for closure of buried waste sites by FY 1998.					1,000
3400-	-	Columbia River Studies	B1	1	A direct result of the TPA in Principle, Amendment 2, and will develop a compendium of data on the Columbia Reiver's contaminants from Hanford operations. Non funding would result in breach of the TPA in Principle.					1,000
3400-	-	ER Program Management ST/RL	B1	3	Program Management, RL, and USACE office are partially funded, supporting TPA milestones M-15 and M-35 CERCLA grants, and supports Grumbly's safety and health initiative.					32,305

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: EP Program: ER - Remediation									
Case: D									
3400- -	FAC Infrastructure	B1	3	Non-funding would eliminate the ER Program Office, which would result in inadequate oversight and eliminate funding for Grumbly's safety and health initiative.				1,624	
3400- -	FAC Infrastructure	B1	3	Provides ER administrative infrastructure support that is not directly funded by individuals OUs such as documentation, control manuals, special studies, value engineering, and internal surveillance. Funding cuts would jeopardize overall administrative support for the ER program.				3,934	
3400- -	Facilities-Equipment	B1	4	Provides for expense funded CENRTC to support ER activities which include new EAL instrumentation and HP equipment. Funding cuts would jeopardize environmental analytical capabilities to support ER activities.				628	
3400- -	HRA - EIS	B1	1	Funds the initiation of NEPA documentation of former Hanford operating facilities (PUREX, B Plant, M Reactor, etc.) as they are transitioned into the ER Program for D&D. Non-funding would result in the delay of obtaining full NEPA coverage for major D&D activities and place DOE in non-compliance with NEPA.				1,001	
3400- -	HRA-EIS	B1	3	Assesses the cumulative impacts of the Hanford ER program and provides for future land use scenarios based on the range of remedial actions which will take place on the Hanford Site. Non-funding of the HRA-EIS will place DOE in non-compliance with NEPA.				1,500	
3400- -	Lab Upgrades	B1	4	Provides for administration of Hanford Analytical Services and development of a chemistry course program at WSU-Tricities. Funding cuts would jeopardize commercial analytical services at Hanford and training to support the analytical chemistry needs at the Hanford Site.				482	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grnbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: EP Program: ER - Remediation									
Case: D									
3400- -	Program Management (QA)	B1	2	Provides for the QA self-assessment supporting DOE Implementation Plan for DNFSB Recommendation 90-2. Budget restrictions will result in degradation of implementation of the ER QA program and potential reduction in the margin of overall safe operation and management of the WMC ER program.				2,672	
3700- -	Disposal Facility	B1	1	Required to meet TPA milestone M-70-00, to provide an operational ERDF on 9/30/96.				4,524	*
3700- -	Disposal Facility	B1	1	Required to meet TPA milestone M-70-00, to provide an operational ERDF on 9/30/96.				25,243	
3800- -	S&M Post Remedial Actions	B1	1	Following remediation, periodic groundwater monitoring assures continued safety to the public and environment.				230	
3400- -	Program Management (Tech)	B2	2	The technology support activities seek out and adapt technologies in the private and public section which can enhance and improve the efficiency of the ER program. Non-funding will result in the use of only current available technologies to remediate the Hanford Site.				471	
3510- -	100 Area D&D - Remediation	B2	4	Accelerate D&D of 100 Area surplus facilities in accordance with AIP.				6,770	
3510- -	D&D Facilities (Reactor Engr.)	B2	4	Provide minimal engineering support to Reactor Block Removal project (105-C).				265	
					=====		=====		
					Sub Total for Case D		0		187,862
Case: T									
3010- -	RARA - Decon. Stabilization	A2	1	Stabilize waste sites in order to prevent migration of radionuclide contamination (ALARA). Project completion planned FY 1997.			2,962		
3010- -	RARA S&M w/Herb application	A2	1	Control deep-rooted weed growth (i.e., sagebrush) and other unwanted vegetation (i.e., tumbleweeds) to prevent surface soil contamination.			4,342		
3010- -	USTs	A2	1	Complete "orphan" tank remediation per WAC 173-303. No funding identified after FY 1995.			498		
3500- -	Asbestos Abatement	A2	1	Provide safe work environment by eliminating ACM exposure.			2,801		

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 16

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Ad#	Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: EP Program: ER - Remediation										
Case: T										
Completion of all know high-priority sites (A/B) planned FY 1998 per NESHAP.										
3510-	-	100 Area Common Act--Assessment	A2	1	Conduct S&M and Risk Assessment/Corrective Maintenance per DOE Order 5820.2A. Completion of all know high risk sites planned FY 1997.	9,744				
3520-	-	232-Z/233-S Decon	A2	2	Remove contaminated equipment and Plutonium inventories in two facilities showing advanced stages of deterioration.	3,046				
3520-	-	D&D S&M - 200 Areas	A2	1	Conduct S&M until final decommission of 200 Area facilities ensuring worker safety and health per DOE 5820.2A.	3,832				
3600-	-	N Reactor	A2	1		1,700				
3600-	-	N Reactor	A2	1		25,811				
3020-	-	RCRA Closures	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.				1,940	*
3020-	-	RCRA Closures	B1	1	Support NOD and RCRA Closure Plan preparation compliant to TPA M-20. If not funded, major TPA milestones will be missed.	2,537	*			
3020-	-	Rcra Closures 183-H	B1	1	Support final stabilization of the 183-H Basin in accordance with regulator agreements. If not funded, stabilization will be deferred and penalties will be assessed for violation of environmental laws.	3,909	*		154	
3100-	-	100-DR-1 Assessment	B1	1	TPA issue proposed plan to regulators M-15-07D	83				
3100-	-	100-DR-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.				2,248	*
3100-	-	100-DR-1 Remediation	B1	1	Receive IROD 3/94 M-16	780	*			
3100-	-	100-DR-2 Assessment	B1	1	Issue proposed plan to regulators 9/95 (proposed TPA)	376				
3105-	-	100-BC-1 Assessment	B1	1	Issue proposed plan to the regulators 11/94 M-15-08D	138				
3105-	-	100-BC-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and				13,206	*

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 17

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grnbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: EP		Program: ER - Remediation								
Case: T										
					intent of the TPA and the MCP.					
3105-	-	100-BC-1 Remediation	B1	1	Receive IROD from regulators 5/95 M-16	1,296	*			
3105-	-	100-BC-1 Remediation	B1	1	Receive IROD from regulators 5/95 M-16	2,641				
3105-	-	100-BC-2 Assessment	B1	1	Issue proposed plant to regulators 5/95 (proposed TPA)	366				
3105-	-	100-BC-2 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the MCP.			(133)	*	
3105-	-	100-BC-5 Assessment	B1	1	Issue proposed plant to regulators 10/94 M-15-09D	348				
3110-	-	100-KR-1 Assessment	B1	1	Issue proposed plan to regulators 10/94 M-15-10C	221				
3110-	-	100-KR-2 Assessment	B1	1	Issue work plan and conduct field investigation M-13, M-15	1,062				
3110-	-	100-KR-4 Assessment	B1	1	Issue proposed plan to regulators 10/95 M-15-11D	425				
3115-	-	100-FR-1 Assessment	B1	1	Issue proposed plan to regulators 3/95 M-15-13D	235				
3115-	-	100-FR-2 Assessment	B1	1	Issue work plan, conduct field activities M13, M15	417				
3115-	-	100-FR-3 Assessment	B1	1	Issue proposed plan to regulators M-15-13H	1,089				
3120-	-	100 NPL Common Activities	B1	1	Support all M-15 and M-16 TPA milestones	9,820				
3120-	-	100-HR-1 Assessment	B1	1	Issue proposed plan to regulators 9/94 M-15-05D	166				
3120-	-	100-HR-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the MCP.			(1,051)	*	
3120-	-	100-HR-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the MCP.	1,468	*			
3120-	-	100-HR-2 Assessment	B1	1	Issue proposed plan to regulators 12/94 M-15 (proposed TPA)	145				
3120-	-	100-HR-2 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the MCP.			1,046	*	
3120-	-	100-HR-3 Assessment	B1	1	Issue proposed plan to regulator 9/94 M-15-06D	1,434				
3125-	-	100-NR-1 Assessment	B1	1	Issue proposed plan to regulators 5/96 M-16-01M (proposed TPA)	420				

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: EP Program: ER - Remediation									
Case: T									
3125- -	100-NR-2 Assessment	B1	1	Issue proposed plan to regulators 5/96 M-16-01M (proposed TPA)	704				
3125- -	N Springs (100-NR-2)	B1	1	Initiate preferred alternative M-14	5,187				
3200- -	200-BP-1 Remediation	B1	1	EPA issues a ROD for 200-BP-1, 5/31/94. DOE will submit a definitive design for the modified RCRA barrier to EPA/Ecology two months after issuance of the ROD, but no sooner than 8/1/94. DOE will submit a remedial action plan to EPA/Ecology four months after the ROD is issued, but no sooner than 10/1/94. DOE will complete the bid and award cycle for the final barrier eight months after the ROD is issued, but no sooner than 2/15/95. DOE will complete remediation activities at 200-BP-1 fifteen months after the ROD is issued, by no sooner than 10/1/95. Complete remediation of all past-practice sites by 2018.	998				
3200- -	200-BP-5 Assessment	B1	1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 8/31/94. Continue operation/expanding systems (if successful) during treatability to optimize the cleanup activities.	658				
3200- -	200-BP-5 Treatability	B1	1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 8/31/94. Continue operation/expanding systems (if successful) during treatability to optimize the cleanup activities.	3,471				
3230- -	200-UP-1 Assessment	B1	1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 3/31/94. Continue operating/expanding systems (if successful) during treatability to optimize the cleanup activities.	2,064				
3230- -	200-UP-1 Treatability	B1	1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 3/31/94. Continue operating/expanding systems (if successful) during treatability to optimize the cleanup	2,235				

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 19

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
-----						-----					
Prog_Id: EP		Program: ER - Remediation									
Case: T											
3230-	-	200-UP-2 Assessment	B1	1	activities. The 200-UP-2 Work Plan, approved 8/93, requires completion of a limited field investigation report by 6/95. A Tri-Party Agreement change request, presently in review, will establish a milestone for this deliverable (M-15-15B).	328					
3235-	-	200-ZP-1 Remediation	B1	1	Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase. Complete remediation of all past-practice sites by 2018.	2,000					
3235-	-	200-ZP-1 Remediation	B1	1	Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase. Complete remediation of all past-practice sites by 2018.	4,255					
3235-	-	200-ZP-2 Remediation	B1	1	Action memorandum issued by regulators in 1/92 requires extraction of carbon tetrachloride from 200-ZP-2. Complete remediation of all past-practice sites by 2018.	4,819					
3300-	-	300-FF-1 Assessment	B1	1	Submit draft feasibility study (FS) Phase 3 report to EPA and Ecology for review.	642					
3300-	-	300-FF-1 Remediation	B1	1	Upon finalization of the FS Phase 3 report, a draft proposed plan will be issued to the regulators by 12/31/94, outlining the preferred remedial alternative for the OU. Then, an ROD, based on review of the proposed plan, is anticipated to be received six months after issuance of the draft proposed plan (6/30/95). Physical remediation of the OU is to begin no later than 15 months after receipt of the ROD. Requires remediation of all past-practice sites by 2018.	2,789			7,954		
3300-	-	300-FF-2 Assessment	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.				2,125	*	
3300-	-	300-FF-2 Assessment	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.	2,237		*			
3300-	-	300-FF-5 Assessment	B1	1	Submit draft combined RI Phase 2 and FS Phase 3 report to EPA	1,019					

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grumbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: EP Program: ER - Remediation										
Case: T										
3390-	-	1100 Area Remediation	B1	1	and Ecology for review. Support TPA M-16-00 and the ROD issued by the EPA in 9/93.	7,243				
3400-	-	Barrier Development	B1	5	Funds the testing and monitoring of an earthen barrier to isolate buried wastes from the environment. Non funding will result in the inability to complete the full testing of the barrier prototype as well as the cessation of various studies and consultations critical to the verification of the Hanford Barrier prototype as an adequate one for closure of buried waste sites by FY 1998.	2,208				
3400-	-	Barrier Development	B1	5	Funds the testing and monitoring of an earthen barrier to isolate buried wastes from the environment. Non funding will result in the inability to complete the full testing of the barrier prototype as well as the cessation of various studies and consultations critical to the verification of the Hanford Barrier prototype as an adequate one for closure of buried waste sites by FY 1998.	892			919	
3400-	-	Columbia River Studies	B1	1	A direct result of the TPA in Principle, Amendment 2, and will develop a compendium of data on the Columbia Reiver's contaminants from Hanford operations. Non funding would result in breach of the TPA in Principle.	2,500				
3400-	-	ER Program Management ST/RL	B1	3	Program Management, RL, and USACE office are partially funded, supporting TPA milestones M-15 and M-35 CERCLA grants, and supports Grumbly's safety and health initiative. Non-funding would eliminate the ER Program Office, which would result in inadequate oversight and eliminate funding for Grumbly's safety and healht initiative.	31,323				
3400-	-	FAC Infrastructure	B1	3	Provides ER administrative infrastructure support that is not directly funded by individuals OUs such as documentation, control manuals, special studies, value engineering, and internal surveillance. Funding cuts would jeopardize overall administrative support for the ER program.	3,403				
3400-	-	FAC Infrastructure	B1	3	Provides for ER Hazardous Worker Training, HPT training. Funding cuts would jeopardize worker safety as well as	1,709				

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 21

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Prog_Id:	EP	Program:	ER - Remediation	Case:	T	Priority	RL	Grmbly	Justification	(\$,000)		(\$,000)	
										FY 95	FY95P	FY95I	FY 96
3400-	-	Facilities-Equipment	B1	4	regulatory compliance. Provides for expense funded CENRTC to support ER activities which include new EAL instrumentation and HP equipment. Funding cuts would jeopardize environmental analytical capabilities to support ER activities.	613							
3400-	-	HRA-EIS	B1	3	Assesses the cumulative impacts of the Hanford ER program and provides for future land use scenarios based on the range of remedial actions which will take place on the Hanford Site. Non-funding of the HRA-EIS will place DOE in non-compliance with NEPA.	3,000							
3400-	-	Lab Upgrades	B1	4	Provides for administration of Hanford Analytical Services and development of a chemistry course program at WSU-TriCities. Funding cuts would jeopardize commercial analytical services at Hanford and training to support the analytical chemistry needs at the Hanford Site.	470							
3400-	-	Program Management (QA)	B1	2	Provides for the QA self-assessment supporting DOE Implementation Plan for DNFSB Recommendation 90-2. Budget restrictions will result in degradation of implementation of the ER QA program and potential reduction in the margin of overall safe operation and management of the WMC ER program.	3,445							
3700-	-	Disposal Facility	B1	1	Provide operational ER Disposal Facility (ERDF) on 9/30/96.	2,978	*					7,076	*
3700-	-	Disposal Facility	B1	1	Required to meet TPA milestone M-70-00, to provide an operational ER Disposal Facility (ERDF) on 9/30/96.	5,022	*						
3700-	-	Disposal Facility	B1	1	Required to meet TPA milestone M-70-00, to provide an operational ER Disposal Facility (ERDF) on 9/30/96.	31,725							
3400-	-	Program Management (Tech)	B2	2	The technology support activities seek out and adapt technologies in the private and public section which can enhance and improve the efficiency of the ER program. Non-funding will result in the use of only current available technologies to remediate the Hanford Site.	3,408						6,820	
3510-	-	100 Area D&D - Effluent Pipeline	B2	1	Prepare EE/CA due 9/30/94, per TPA M-16-80.	433							500
3510-	-	100 Area D&D - Remediation	B2	4	Accelerate D&D of 100 Area surplus (abandoned) facilities in accordance with AIP.	5,970							

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: EP Program: ER - Remediation									
Case: T									
3510-	D&D Facilities (Reactor Engr.)	B2	4	Initiate remedial design in support of the Reactor Block Removal project (105-C).	5,666				
3510-	D&D Facilities (Reactor Engr.)	B2	4	Maintain minimal Engineering support to Reactor Block Removal Project (105-C).				3,265	
3510-	D&D Facilities (Reactor Engr.)	B2	4	Maintain minimal Engineering support to Reactor Block Removal Project (105-C).				7,150	
-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.				(22,646)	
-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(20,949)				
					=====			=====	
Sub Total for Case T					208,577			30,573	
					=====			=====	
Sub Total for Case D&T					208,577			218,435	
					=====			=====	
Sub Total Case D,T & P for ER - Remediation					208,577			218,435	

* This activity is included on the Productivity Commitment by RL Priority report.
 **This activity is included on the Additional Target by RL Priority report.

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority

RL Grmbly

Justification

(\$,000)

FY 95

FY95P FY95I

(\$,000)

FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Prog_Id: ET Program: Economic Transition

Case: D

6602- - Economic Transition

F1

972

Sub Total for Case D

0

972

Case: T

6602- - Economic Transition

F1

3,720 *

3,028

Sub Total for Case T

3,720

3,028

Sub Total for Case D&T

3,720

4,000

Sub Total Case D,T & P for Economic Transition

3,720

4,000

* This activity is included on the Productivity Commitment by RL Priority report.

**This activity is included on the Additional Target by RL Priority report.

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: K Program: Facility Operations (EM-30)										
Case: D										
4190-0-	B Plant Operations	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include management, systems surveillance and maintenance, engineering, health and safety, assessments, and security.					30,296	
4195-0-	Cesium Capsule Recovery Program Support	A2	2	If unfunded, program management and technical support for cesium capsule program would be eliminated. Surveillance of cesium capsules stored at PNL would not be provided. FSAR requirements for surveillance of the capsules would not be met.					1,262	
4190-0-	B Plant Environmental Compliance	B1	2	Funds ongoing management of the liquid and gaseous effluent systems, NESHAPS, Part B Permit, and Tank Integrity Assessments. If not funded, B Plant would be in non-compliance with RCRA, WAC, and CAA; as well as miss critical TPA milestones.					2,020	
- -	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse company level General and Administrative (G&A) overhead rates.					(553)	
- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.					(2,968)	
					=====			=====		
					Sub Total for Case D			0		30,057
Case: T										
4190-0-	B Plant Operations	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include: management, systems surveillances and maintenance, engineering, health and safety, assessments, and security.			26,844			
4190-0-	B Plant Operations	A2	2	Incremental funding would be provided to support minimum safe requirements including plant management, training, and high energy system repairs. If unfunded, the risk of electrical and mechanical failures would increase, add'l risk would be			6,800	*	2,926	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: K Program: Facility Operations (EM-30)											
Case: T											
						incurred from having untrained personnel and plant management staff who would not be available to support daily operations, planning, reporting, and control.					
4195-0-			Cesium Capsule Recovery Program Support	A2	2	If unfunded, program management and technical support for cesium capsule program would be eliminated. Surveillance of cesium capsules stored at PNL would not be provided. FSAR requirements for surveillance of the capsules would not be met.	1,234				
4195-0-			Cesium Capsule Return	A2	6	If not funded, WESF cesium capsules would not be returned from IOTECH and ARECO resulting in DOE commitments to State of Colorado and the NRC would not be met.	200	*		100 * **	
4195-0-			Cesium Capsule Return	A2	6	If not funded, WESF cesium capsules would not be returned from IOTECH and ARECO resulting in DOE commitments to State of Colorado and the NRC would not be met.	2,800			2,900 **	
4190-0-			B Plant Environmental Compliance	B1	2	Funds ongoing management of the liquid and gaseous effluent systems, NESHAPs, Part B Permit, and Tank Integrity Assessments. If not funded, B Plant would be in non-compliance with RCRA, WAC, and CAA; as well as miss critical TPA milestones.	1,482				
- -			G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse company level General and Administrative (G&A) overhead rates.	(533)			(97)	
- -			Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(3,827)			(524)	
							=====			=====	
Sub Total for Case T							35,000			5,305	
							=====			=====	
Sub Total for Case D&T							35,000			35,362	
Case: P											
4190-0-			Organic Disposal	A2	2	Funds the removal of radioactive flammable liquid from B Plant canyon cells to eliminate both an PSR and fire issues.	2,100			400	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)			
			RL	Grnbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I		

Prog_Id: K Program: Facility Operations (EM-30)											
Case: P											
<p>If not funded, an fire hazard remains in the facility. The Tank Integrity and Part B Permit tasks would also include scope for the tanks and cells that currently store the organics. Would not meet TPA milestone M-20-21.</p>											
4195-0-		Cesium Capsule Recovery Program Support	A2	6	Provides for cask lease for accelerated capsule return from IOTECH, on-site cask documentation, and WESF encapsulation. If not funded, capsule return from IOTECH will not be completed in FY 95, delaying the return by 5-6 months, resulting in anticipated litigation costs. Re-encapsulation process at WESF and on-site cask development will not be initiated in FY 95.	3,558			358		
4190-0-		B Plant Environmental Compliance	B1	2	Funds ongoing management of the liquid and gaseous effluent systems, NESHAPs, Part B Permit, and Tank Integrity Assessments. If not funded, B Plant would be in non-compliance with RCRA, WAC, CAA, and Tri-Party milestones M-20-21 (Part B Permit) and M-32-07 (Tank Integrity Assessment). Also, required capital funding will not be provided.	1,220			300		
4190-0-		B Plant Cleanout and Stabilization (CSP)	F1	4	Implements the Cleanout and Stabilization Plan, which is required to cleanout/stabilize B Plant, reducing the classification of the facility to a low-hazard facility. If not funded, B Plant would be unable to transition to standby. The existing source term would remain in the present condition resulting in continued higher hazard classifications of B Plant. Funding requirements for the operations and maintenance of the facility would remain high due to the inability to transition to more economical consolidated systems.	4,034			6,323		
4190-0-		WESF Separation Study	F1	4	Funds the engineering study to define the project scope to separate B Plant and WESF. If not funded, the project to make WESF a stand alone facility and permit total B Plant shutdown could not be achieved.	200			474		
						=====		=====			
Sub Total for Case P						11,112			7,855		

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: K Program: Facility Operations (EM-30)

Case: P

Sub Total for Case P

11,112

7,855

Sub Total Case D,T & P for Facility Operations (EM-30)

46,112

43,217

* This activity is included on the Productivity Commitment by RL Priority report.

**This activity is included on the Additional Target by RL Priority report.

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 28

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: K1 Program: Facility Operations (EM-60)									
Case: D									
6620-0-	Facility Operations Program and Environmental Management	A2	3	If not funded, Program Management and financial management staff required for current outyear planning, control and reporting would be eliminated. Also eliminates program operations and maintenance improvements support, non-plant specific safeguards and security, and EM-60 off-site representative.					6,020
6622-0-	PUREX Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.					33,354
6623-0-	300 Area Fuels Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.					3,926
6624-0-	PF Plant Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.					65,939
6624-0-	Pre-Stabilization Safe Standby Activities	A2	2	The PFP is not in a viable condition to be put in a long-term/permanent safe standby mode. Until all nuclear materials are stabilized and vaulted, PFP is required by Nuclear Material Accountability and DOE Order Compliance to safely "care for" all SNM in the plant. If not funded, an unacceptable risk would remain for the plant personnel and the public. As the systems and equipment of the PFP continue to deteriorate and age these needs are exacerbated.					3,372
6622-0-	PUREX Environmental Compliance	B1	2	Provides for environmental engineering and monitoring, laboratory compliance, Part B permit. If unfunded, PUREX would be in non-compliance with DOE Orders, State, and Federal regulations. PUREX would fail to meet OSR					3,134

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: K1 Program: Facility Operations (EM-60)										
Case: D										
6622-0-		PUREX UO3 Deactivation	B1	4	requirements for effluent monitoring and sampling. RCRA closure plan would not be submitted to meet TPA M-20-24. Finalizing of the facility cleanout plan and initial cleanout activities would be delayed by 2 years. Delay in facility cleanout results in approximately \$35M per year additional cost. Liquid wastes at PUREX do not meet all regulatory requirements for continued storage. Failure to continue rapid progress on the Deactivation project could result in enforcement options taken by the regulatory agencies.				5,310	
6623-0-		300 Area Fuels Environmental Surveillance	B1	2	If unfunded, Federal and State hazardous waste regulations would not be met. Daily oversight and management of the compliance program would not be provided.				74	
6624-0-		PFP Environmental Compliance Activities	B1	2	PFP specific environmental compliance activities including PFP Part B permit, M-20-48, and Tank Interim status would not be completed. Air operating permit and related emissions inventory would not be completed. Failure to support these activities would result in violations of TPA, RCRA, WAC, CAA, and DOE orders. Capital support would not be available to maintain the facility in compliance with regulations.				2,800	
6624-0-		PFP NEPA	B1	6	DOE-HQ has directed that documentation be prepared at PFP prior to performing stabilization of reactive materials or cleanout at the plant. If not funded, delays in the development of NEPA documentation will cause the plant to remain in a high hazard standby condition for extended periods and also jeopardize the potential of using it for any future remediation or interim storage missions.				1,981	
- -		G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative overhead rates.				(1,695)	
- -		Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.				(9,096)	
4190- -		Defense Production Funding	F1						(20,000)	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id:	K1	Program: Facility Operations (EM-60)								
Case:	D									
						=====		=====		
Sub Total for Case D							0		95,119	
Case:	T									
6620-0-		Facility Operations Program and Environmental Management	A2	3	If not funded, Program Management and financial management staff required for current and outyear planning, control, and reporting would be eliminated. Also eliminates program operations and maintenance improvements support, non-plant specific safeguards and security, and EM-60 off-site representative.		5,908			
6622-0-		PUREX Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.		33,104			
6623-0-		300 Area Fuels Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.		4,530			
6623-0-		313 Building Demolition	A2	2	The roof on south portion of the 313 building can collapse. Studies indicate demolition as the most cost effective solution to eliminate safety hazard. If unfunded, unacceptable safety hazard would remain, which could cause costly emergency action and/or serious injury to employees, including death.			4,800	**	
6623-0-		313 Building Demolition	A2	2	The roof on south portion of the 313 building can collapse. Studies indicate demolition as the most cost effective solution to eliminate safety hazard. If unfunded, unacceptable safety hazard would remain, which could cause costly emergency action and/or serious injury to employees, including death.			200	* **	
6624-0-		Interim Actions (awaiting EIS	A2	1	Funds a portion of the required \$7.8M PFP Interim Actions.		5,100		*	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Prog Id	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Prog Id: K1	Program: Facility Operations (EM-60)										
Case: T											
		outcome)			Includes the reactive materials sludge drying, L-10 transloading and radiation zone cleanup for dose remediation. Impact of not funding would be continued safety risks incurred by plant personnel.						
6624-0-		PF Plant Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.	64,187					
6624-0-		Pre-Stabilization Safe Standby Activities	A2	2	The PFP is not in a viable condition to be put in a long-term/permanent safe standby mode. Until all nuclear materials are stabilized and vaulted, PFP is required by Nuclear Material Accountability and DOE Order Compliance to safely "care for" all SNM in the plant. If not funded, an unacceptable risk would remain for the plant personnel and the public. As the systems and equipment of the PFP continue to deteriorate and age these needs are exacerbated.	6,200	*				
6624-0-		Pre-Stabilization Safe Standby Activities	A2	2	The PFP is not in a viable condition to be put in a long-term/permanent safe standby mode. Until all nuclear materials are stabilized and vaulted, PFP is required by Nuclear Material Accountability and DOE Order Compliance to safely "care for" all SNM in the plant. If not funded, an unacceptable risk would remain for the plant personnel and the public. As the systems and equipment of the PFP continue to deteriorate and age these needs are exacerbated. In FY 95, \$6.2M is funded through productivity commitment.	11,743					
6622-0-		PUREX Environmental Compliance	B1	2	If unfunded, PUREX would be in non-compliance with DOE Orders, State, and Federal regulations. PUREX would fail to meet OSR requirements for effluent monitoring and sampling. RCRA closure plan would not be submitted to meet TPA M-20-24. Air operating permit and emissions inventory would not be submitted and will violate CAA.	3,243					
6622-0-		PUREX UO3 Deactivation	B1	4	Finalizing of the facility cleanout plan and initial cleanout	6,400			8,290		

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: K1 Program: Facility Operations (EM-60)										
Case: T										
6622-0-	PUREX UO3 Deactivation	B1	4	activities would be delayed by 2 years. Delay in facility cleanout results in approximately \$35M per year additional cost. Liquid wastes at PUREX do not meet all regulatory requirements for continued storage. Failure to continue rapid progress on the Deactivation Project could result in enforcement actions taken by the regulatory agencies. If not funded, the reductions to utility systems and N cell deactivation in FY 95 could not be restored. This would also impact deactivation of ancillary buildings and preparation of the documentation package required for turn over the HSFP. Failure to fund these tasks would likely impact the overall deactivation schedule by six months with an increased surveillance and maintenance cost of apprx. \$20M.				4,200		**
6622-0-	PUREX UO3 Deactivation	B1	4	If not funded, the reductions to utility systems and N cell deactivation in FY 95 could not be restored. This would also impact deactivation of ancillary buildings and preparation of the documentation package required for turn over the HSFP. Failure to fund these tasks would likely impact the overall deactivation schedule by six months with an increased surveillance and maintenance cost of apprx. \$20M.				100	*	**
6622-0-	PUREX UO3 Deactivation	B1	4	If unfunded, PUREX deactivation activities would be phased out and the project placed on hold, resulting in a 15 month delay in completion. Add'l surveillance and maintenance costs of apprx. \$35M per year would be incurred, as well as incremental costs to rehire and retrain staff. Liquid wastes at PUREX do not meet all regulatory requirements for continued storage. Failure to continue rapid progress on the Deactivation project could result in enforcement actions by regulatory agencies.			9,700			
6622-0-	PUREX UO3 Deactivation	B1	4	If unfunded, PUREX deactivation activities would be phased out and the project placed on hold, resulting in a 15 month delay in completion. Add'l surveillance and maintenance costs of apprx. \$35M per year would be incurred, as well as			600	*		

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

.Prog_Id: K1 Program: Facility Operations (EM-60)									
Case: T									
				incremental costs to rehire and retrain staff. Liquid wastes at PUREX do not meet all regulatory requirements for continued storage. Failure to continue rapid progress on the Deactivation project could result in enforcement actions by regulatory agencies.					
6623-0-	300 Area Fuels Environmental Surveillance	B1	2	If not funded, DOE and MHC will be in non-compliance with RCRA, Clean Air Act, Clean Water Act, Model Toxics Control Act, Clean-up Regulations (CH 173-340). Violations could result in fines.	70				
6624-0-	PFP Environmental Compliance Activities	B1	2	PFP specific environmental compliance activities would not be supported if not funded and capital support would not be available to maintain the facility in compliance with regulations. PFP Part B Permit (M-20-48) and Tank Interim Status (M-32-01) would not be supported, air operating permit, and related emissions inventory would not be completed and support to projects related to TPA milestone M-17-00 would not be provided. PFP septic system repair and restoration is not funded at this level.	2,173				
6624-0-	PFP NEPA	B1	6	DOE-HQ has directed that environmental documentation be prepared at PFP prior to performing stabilization of reactive materials or cleanout at the plant. If not funded, delays in the development of NEPA documentation will cause the plant to remain in a high hazard standby condition for extended periods and also jeopardize the potential of using it for any future remediation or interim storage missions.	1,514				
- -	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative overhead rates.	(1,900)			(300)	
- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(12,922)			(1,604)	
4190- -	Defense Production Funding	F1			(20,000)				
6625-0-	PFP SAS Upgrades	F1	2	Upgrades will result in Vault Safeguards and Security Systems that are necessary to comply with DOE Orders. Failure to	1,700			1,100	**

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)			
			RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I		

Prog_Id: K1 Program: Facility Operations (EM-60)											
Case: T											
fund the SAS Upgrades will result in non-compliant Safeguards and Security Systems due to equipment failures and lack of maintainable equipment.											
6625-0-		PFP SAS Upgrades	F1	2	Upgrades will result in Vault Safeguards and Security Systems that are necessary to comply with DOE Orders. Failure to fund the SAS Upgrades will result in non-compliant Safeguards and Security Systems due to equipment failures and lack of maintainable equipment.	51	*				
						=====		=====			
Sub Total for Case T						121,401			16,786		
						=====		=====			
Sub Total for Case D&T						121,401			111,905		
Case: P											
6623-0-		300 Area Roof Repair	A2	4	Catastrophic roof failure could result in possible serious personnel injury including death. Other possible impacts include loss of fire protection, and possible steam system ruptures. If 313 building demolition is funded in FY 1995, roof repair is not required.	6,300					
6624-0-		PFP Interim Actions	A2		Funds 242-2 duct remediation activities to reduce overall plant risk and radiation zone exposure to nuclear operators. If not funded, will impact the ability to meet radiation dose reduction commitments for interim actions.	2,700					
6620-0-		Facility Operations Environmental Compliance Oversight	B1	2	If unfunded, required support to oversee environmental compliance activities would not be available.	879			905		
6622-0-		PUREX UO3 Deactivation	B1	4	If not funded in FY 95, the deactivation of the utility systems and M Cell will be delayed from the scheduled completion dates. If funding for these activities is restored in FY 96, the schedule delays could be managed so not to delay the overall completion date for the project.	1,634					
6623-0-		300 Area Fuels RCRA Closure Actions	B1	2	The RCRA closure process for 303K Mixed Waste Storage Facility, the Waste Acid Treatment Facility System and 304	1,526			1,104		

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Prog Id	Sub	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P
Prog Id: K1			Program: Facility Operations (EM-60)								
Case: P											
6623-0-			Office Space	B1	2	Concretion Facility would be delayed on a year-for-year basis. New TPA milestones will be established upon approval of the closure plans. If closure actions are not funded, DOE and WMC would be considered in violation of the Tri-Party Agreement, RCRA, and WA State Hazardous Waste Management Act, and could result in criminal fines and penalties.	350				
6624-0-			PPF EIS Preparation	B1	6	If not funded, 333 Building will be needed for 300 Area Fuel supply personnel and could not be shutdown. Incremental costs of approximately \$350K per year would be required to provide steam to 333 Building.	2,500				
6624-0-			PPF Environmental Compliance	B1	2	If unfunded, delays in the development of NEPA documentation will cause the plant to remain in a high hazard standby condition for extended periods.	4,700			2,500	
6624-0-			PPF Project Support	B1	2	Funds all capital requirements (CENTRC and GPPs) for PPF. Loss of these funds would eliminate the flexibility to respond to unforeseen problems and failures which, per the history of the plant, occur every year.	659			674	
6620-0-			Systems Engineering/Strategic Planning	C1	2	Provides expense funding to manage ongoing PPF GPPs, and Small Projects. Includes project engineers to follow projects, as well as Engineering Studies, FDCs, and CDRs. Impact of eliminating these funds is to jeopardize the continued safe operation of PPF, as well as the loss of experienced technical personnel.	672			687	
6623-0-			300 Area Shutdown	F1	3	Failure to fund this effort will result in Facility Operations deactivation plans not being understood in terms of their impact to the site and the site mission to clean up Hanford. The DNFSB has been requiring new projects to understand how they interface and relate to other site cleanup operations, prior to approval of funding requests. How facility Ops activities fit into the cleanup mission will remain little understood and the ability to obtain future funding is jeopardized.	1,638			1,846	
6623-0-			300 Area Shutdown	F1	4	If not funded, the 300 Area Fuel Supply facilities will not	1,638			1,846	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: K1 Program: Facility Operations (EM-60)										
Case: P										
6623-0-		Building Demolition	F1	4	be transferred to R&R Program and the Surveillance and Maintenance programs will be needed to continue (apprx. \$3.0M per year) until after FY2000, depending upon funding. If not funded, unacceptable safety hazard would remain, which could cause costly emergency action and/or serious injury to employees, including death. A one-year delay will result if not funded in FY 95. (\$5.0M is funded in FY 96 to initiate building demolition.)	10,000			2,000	
6625-0-		PPF Plant Life Extension (PLEX)	F1	2	Failure to fund PLEX upgrades will result in a facility that can no longer maintain the storage of SNM/NM/NF in a manner compliant with all DOE Orders. The facility systems are getting too old to reliably maintain. Replacement or alternate utility sources and other strategic upgrades will allow for the safe, efficient deactivation of some portions of the facility while allowing other portions to continue to perform interim SNM/NM/NF storage.	2,400			2,455	
						=====		=====		
Sub Total for Case P						35,958			12,171	
						=====		=====		
Sub Total for Case P						35,958			12,171	
						=====		=====		
Sub Total Case D,T & P for Facility Operations (EM-60)						157,359			124,076	

* This activity is included on the Productivity Commitment by RL Priority report.

**This activity is included on the Additional Target by RL Priority report.

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Prog_Id	RG	Sub	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
				RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: RG	Program: Ground Water Monitoring										
Case: D											
7340-0-AA			Program Management	A1	2	Program planning and control/RCRA Monitoring would not exist				1,197	
7340-0-BA			Environmental Effluents (HPTs)	A2	2	Clean Air Act, 40CDR61/Unmonitored gaseous emissions				1,084	
7340-0-BA			Environmental Surveillance- Stabilized Sites	A2	2	Ensure containment of contamination/Increase risk of contamination				1,049	
7340-0-AA			Capital Equipment	B1	2	New or replacement equipment for environmental monitoring, 40CDR61, 40CFR265/Monitoring equipment no longer functional as equipment fails.				2,000	
7340-0-AC			Groundwater Monitoring	B1	2	Samples collected and analyzed in support of RCRA, SDWA, CSW, and 40CFR265 requirements/Noncompliance will place GW and public at risk				3,061	
7340-0-AC			Groundwater Monitoring Well Sampling and Analysis	B1	2	Samples collected and analyzed in support of RCRA, SDWA, CWA, and 40 CFR 265 requirements. Noncompliance will place GW and public at risk.				2,256	
7340-0-AC			Purgewater Disposal	B1	2	Maintains compliant disposition of purgewater/Stored purgewater would cause greater costs				256	
7340-0-AD			Groundwater Well Maintenance/Decommissioning	B1	2	Well must be maintained for groundwater monitoring, 40CFR265/Without wells, GW monitoring does not function				2,353	
7340-0-BA			Effluent and Environmental Monitoring 200/600	B1	2	Clean Air Act, 40CFR61/Reporting requirements would be noncompliant and an unsafe practice if not performed				3,683	
7340-0-BA			NESHAP Compliance Support	B1	2	Study new or replacement monitoring requirements for NESHAP Compliance/Noncompliance with EPA-NESHAP Orders				987	
7340-0-BB			Inactive Crib Monitoring (Vadose Zone)	B1	2	Monitors vadose zone for contamination spread/Expensive core sampling				1,084	
7340-0-BB			Seismic Monitoring	B1	2	Maintain surveillance of the Hanford Site and surrounding portion of eastern Washington/Could prohibit future construction				491	
7340-	-		G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.				(340)	
7340-	-		Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.				(1,916)	
							=====		=====		
Sub Total for Case D								0			17,245

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P
Prog_Id: RG		Program: Ground Water Monitoring								
Case: T										
7340-0-AA		Program Management	A1	2	Program planning and control/RCRA Monitoring would not exist	1,170				
7340-0-BA		Environmental Effluents (HPTs)	A2	2	Clean Air Act, 40CDR61/Unmonitored gaseous emissions	1,060				
7340-0-BA		Environmental Surveillance- Stabilized Sites	A2	2	Ensure containment of contamination/Increase risk of contamination	1,025				
7340-0-AA		Capital Equipment	B1	2	New or replacement equipment for environmental monitoring, 40CDR61, 40CFR265/Monitoring equipment no longer functional as equipment fails.	2,000				
7340-0-AC		Groundwater Monitoring	B1	2	Samples collected and analyzed in support of RCRA, SDWA, CSW, and 40CFR265 requirements/Noncompliance will place GW and public at risk	1,900	*			
7340-0-AC		Groundwater Monitoring	B1	2	Samples collected and analyzed in support of RCRA, SDWA, CSW, and 40CFR265 requirements/Noncompliance will place GW and public at risk	4,090				
7340-0-AC		Groundwater Monitoring Well Sampling and Analysis	B1	2	Samples collected and analyzed in support of RCRA, SDWA, CWA, and 40 CFR 265 requirements. Noncompliance will place GW and public at risk.				1,921	
7340-0-AC		Groundwater Support activities	B1	2	Administrative support to Geoscience and the GW monitoring activity, 40CFR265/Loss of geohydrological oversight	690				
7340-0-AC		Project Scientist Support	B1	2	Technical support to geoscience monitoring activities/Loss of geohydrological technical expertise	1,100			1,125	
7340-0-AC		Purgewater Disposal	B1	2	Maintains compliant disposition of purgewater/Stored purgewater would cause greater costs	250				
7340-0-AC		RCRA Reporting and Data Management	B1	2	RCRA, WAC, and 40CFR265 require data management of GW data/Noncompliance due to lack of records	1,282			395	
7340-0-AD		Groundwater Well Maintenance/Decommissioning	B1	2	Well must be maintained for groundwater monitoring, 40CFR265/Without wells, GW monitoring does not function	1,300	*			
7340-0-AD		Groundwater Well Maintenance/Decommissioning	B1	2	Well must be maintained for groundwater monitoring, 40CFR265/Without wells, GW monitoring does not function	2,286				
7340-0-BA		Compliance and Technical Management	B1	2	Reporting and compliance with air emissions/Air Emissions Report not submitted to EPA	150				
7340-0-BA		Effluent and Environmental Monitoring 200/600	B1	2	Clean Air Act, 40CFR61/Reporting requirements would be noncompliant and an unsafe practice if not performed	500	*			
7340-0-BA		Effluent and Environmental	B1	2	Clean Air Act, 40CFR61/Reporting requirements would be	3,600				

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)			
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: RG Program: Ground Water Monitoring											
Case: T											
7340-0-BA		Monitoring 200/600 NESHAP Compliance Support	B1	2	noncompliant and an unsafe practice if not performed Study new or replacement monitoring requirements for NESHAP Compliance/Noncompliance with EPA-NESHAP Orders	965					
7340-0-BB		Active Cribs, Ponds, and Ditches	B1	2	Active liquid discharge sites must be monitored to ensure operating parameters are maintained/Unmonitored liquid discharges to soil column	790					
7340-0-BB		Inactive Crib Monitoring (Vadose Zone)	B1	2	Monitors vadose zone for contamination spread/Expensive core sampling	235					
7340-0-BB		Inactive Crib Monitoring (Vadose Zone)	B1	2	Monitors vadose zone for contamination spread/Expensive core sampling	1,000	*				
7340-0-BB		Seismic Monitoring	B1	2	Maintain surveillance of the Hanford Site and surrounding portion of eastern Washington/Could prohibit future construction	480					
7340-1-AG		Groundwater Well Drilling Support	B1	2	Technical support to GW well planning/Noncompliance with TPA	600	*				
7340-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company Level General and Administrative (G&A) overhead rates.	(400)			(60)		
7340-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(2,807)			(338)		
						=====		=====			
Sub Total for Case T						25,266			3,043		
						=====		=====			
Sub Total for Case D&T						25,266			20,288		
Case: P											
7340-0-		NESHAP	B1	2	Upgrade stack monitors				5,000		
7340-0-AC		Groundwater Support activities	B1	2	Administrative support to Geoscience and the GW monitoring activity, 40CFR265/Loss of geohydrological oversight				645		
7340-0-AC		Project Scientist Support	B1	2	Technical support to geoscience monitoring activities/Loss of geohydrological technical expertise				1,027		
7340-0-AC		RCRA Reporting and Data Management	B1	2	RCRA, WAC, and 40CFR265 require data management of GW data/Noncompliance due to lack of records				408		

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
			RL	Grnbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I

Prog_Id: RG Program: Ground Water Monitoring									
Case: P									
7340-0-AD		Groundwater Well Maintenance/Decommissioning	B1	2	Well must be maintained for groundwater monitoring, 40CFR265/Without wells, GW monitoring does not function				997
7340-0-BA		Compliance and Technical Management	B1	2	Reporting and compliance with air emissions/Air Emissions Report not submitted to EPA				140
7340-1-AG		Groundwater Well Drilling Support	B1	2	Technical support to GW well planning/Noncompliance with TPA	347			560
7340-1-AG		W-152 RCRA and Operational Well Drilling	B1	2	Technical support to GW Well Planning/Noncompliance with TPA	12,500			10,000
						=====		=====	
Sub Total for Case P						12,847			18,777
						=====		=====	
Sub Total for Case P						12,847			18,777
						=====		=====	
Sub Total Case D,T & P for Ground Water Monitoring						38,113			39,065

* This activity is included on the Productivity Commitment by RL Priority report.

**This activity is included on the Additional Target by RL Priority report.

4/19/94

9:28 am

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 41

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Table: Pri96.db

Report: #2

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: RH Program: HEMP										
Case: D										
7330-	-	Air and Water Permitting	B1	2	Supports regulatory Air and Water Permitting activities for the Hanford Site. Supports site-wide storm water permit, UIC, drinking water, and other related regulations required by Clean Water Act, support compliance with Clean Air Act site-wide air operating permit requirements. Criminal and civil penalties for noncompliance.					880
7330-	-	Environmental Reporting	B1	2	Supports preparation of mandatory regulatory reports. Supports annual Tri-Party Agreement M-26 milestone requirements and Clean Air Act sitewide operating database maintenance.					1,712
7330-	-	Program Administration	B1	2	Provides program management/financial administration for the program.					468
7330-	-	RCRA Permitting	B1	2	Supports regulatory RCRA permitting coordination, issue resolution, and assurance of consistency for the Hanford Site. Failure to comply with Hanford Facility RCRA/Dangerous Waste permit if not funded.					399
7330-	-	Regulatory Field Support	B1	2	Supports facilities in identifying and complying with regulatory requirements/documentation of regulatory audits/inspections.					1,003
7330-	-	TSD Permit Requirements	B1	2	Supports activities required by the Hanford Facility RCRA/Dangerous Waste Permit. Specific requirements include: facility-wide inspections, permit waste inventory, closure costs and waste minimization activities, permit recordkeeping and retrieval, and compliance oversight coordination.					1,964
7330-	-	Tri-Party Agreement Integration	B1	2	Supports TPA Hanford Site Integration. Failure to provide adequate support will impact coordination of TPA implementation and negotiations.					828
7332-	-	Pollution Prevention	B1	2	Supports pollution prevention reporting requirements and general program development for the entire Hanford Site.					576
7330-	-	G&A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.					(170)
7330-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated					(766)

4/19/96
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: RH Program: HEMP										
Case: D										
critical unfunded items.						=====		=====		
						Sub Total for Case D		0		6,894
Case: T										
7330-	-	Air and Water Permitting	B1	2	Supports regulatory Air and Water Permitting activities for the Hanford Site. Supports site-wide storm water permit, UIC, drinking water, and other related regulations required by Clean Water Act, support compliance with Clean Air Act site-wide air operating permit requirements. Criminal and civil penalties for noncompliance.	1,015				
7330-	-	Capital Equipment	B1	2	Supports capital equipment vehicles and UNIX computer purchase.	170				
7330-	-	Environmental Reporting	B1	2	Supports preparation of mandatory regulatory reports. Supports annual Tri-Party Agreement M-26 milestone requirements and Clean Air Act sitewide operating database maintenance.	1,762				
7330-	-	NEPA Coordination	B1	2	Support management/facilities on overall NEPA/SEPA activities to ensure consistency and compliance (10 CFR 1021).	231			236	
7330-	-	Program Administration	B1	2	Provides program management/financial administration for the program.	457				
7330-	-	RCRA Permitting	B1	2	Supports regulatory RCRA permitting coordination, issue resolution, and assurance of consistency for the Hanford Site. Failure to comply with Hanford Facility RCRA/Dangerous Waste permit if not funded.	391				
7330-	-	Regulatory Field Support	B1	2	Supports facilities in identifying and complying with regulatory requirements/documentation of regulatory audits/inspections.	981				
7330-	-	TSD Permit Requirements	B1	2	Supports activities required by the Hanford Facility RCRA/Dangerous Waste Permit. Specific requirements include: facility-wide inspections, permit waste inventory, closure costs and waste minimization activities, permit recordkeeping and retrieval, and compliance oversight coordination.	1,956				

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: RH Program: HEMP										
Case: T										
7330-	-	TSD Permit Requirements	B1	2	Supports coordination of facility-wide permit requirements and RCRA/Dangerous waste permit modification. Permit required by WAC 173-303.	548			583	
7330-	-	Tri-Party Agreement Integration	B1	2	Supports Tri-Party Agreement Milestone Managers for programs.	400	*		384	*
7330-	-	Tri-Party Agreement Integration	B1	2	Supports partial Tri-Party Agreement integration.	984				
7330-	-	Tri-Party Agreement Integration	B1	2	Supports remaining TPA Hanford Site Integration. Failure to provide adequate support will impact coordination of TPA implementation and negotiations.				178	
7332-	-	Pollution Prevention	B1	2	Supports pollution prevention reporting requirements and general program development for the entire Hanford Site.	563				
7330-	-	G&A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(200)			(30)	
7330-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(926)			(135)	
						=====		=====		
Sub Total for Case T						8,332			1,216	
						=====		=====		
Sub Total for Case D&T						8,332			8,110	
Case: P										
7330-	-	NRDA Coordination	B1	2	Provide management support to Hanford site NRDA activities, including coordination of HRA-EIS and NRDA activities, Natural Resource Injury Assessment, and Baseline Ecosystem Vegetation Mapping.	217			222	
7330-	-	Site-wide NEPA EIS	B1	2	Supports initiation of site-wide NEPA EIS				200	
7330-	-	TSD Permit Requirements	B1	2	Supports Captial Equipment vehicle, boat, and computer purchase. Failure to provide adequately tracked RCRA permit compliance requirements, and complete sitewide RCRA permit inspections.				392	
7330-	-	TSD Permit Requirements	B1	2	Supports remaining site-wide activities (i.e., pipeline mapping/marking) required by the Hanford Facility	600			1,519	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: RH Program: HEMP											
Case: P											
7332-	-	Pollution Prevention	D2	2	RCRA/Dangerous waste permit. Supports pollution prevention site-wide implementation and continuation of hazardous materials reduction activities.	710			727		
						=====			=====		
Sub Total for Case P						1,527			3,060		
						=====			=====		
Sub Total for Case P						1,527			3,060		
						=====			=====		
Sub Total Case D,T & P for HEMP						9,859			11,170		

* This activity is included on the Productivity Commitment by RL Priority report.
 **This activity is included on the Additional Target by RL Priority report.

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)			
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I		

Prog_Id: RI Program: Inventories										
Case: D										
7360-	- Process Spares	A2		Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.				364		
7360-	- Essential Materials	B2		Includes container/drums to store waste.				23		
7360-	- Radio equipment	C1		Radio equipment including cellular phones.				4		
7360-	- Telecommunication	C1		Parts for faxes, computers, radios, and telephone equipment.				48		
7360-	- General Supplies/Computers	E1		Includes office furniture, computers, and software. Also essential items for fire protection and medical supplies.				183		
7360-	- Process Spares Administration	E1		Administration, planning, reporting, and training for Process Spares, telecommunications, and essential materials. Includes reorders, shelf criteria, assist in annual physical inventories, and perform spares annual review.				377		
7360-	- Program Support	E1		Monthly reporting to PTS and SMS. Preparation of EAC and ADS Five-Year Plan, and MYPP.				46		
7360-	- Reserve Allowance for Loss	E1		Set aside reserve for inventory losses from damaged, disposal, excess, shrinkage, or deterioration.				91		
7360-	- Warehouse	E1		Occupancy of 2101M and 275EA				788		
7360-	- Warehouse Administration	E1		Warehousing receiving and transportation of inventories of area warehouse.				557		
7360-	- Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.				(248)		
					=====		=====			
					Sub Total for Case D		0		2,233	
Case: T										
7360-	- Coal	A2		Needed to power 200/300 Area Steam Plants.				27		
7360-	- Process Spares	A2		Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.				100		
7360-	- Process Spares	A2		Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.				200		

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority

RL Grnbly

Justification

(\$,000)

FY 95

FY95P

FY95I

(\$,000)

FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 46

Prog_Id: RI Program: Inventories

Case: T

7360-	-	Process Spares	A2	Provide parts for Waste Operation facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.	439				54
7360-	-	Essential Materials	B2	Includes container/drums to store waste.	25				4
7360-	-	Radio equipment	C1	Radio equipment including cellular phones.					1
7360-	-	Radio equipment	C1	Radio equipment including cellular phones.	5				1
7360-	-	Telecommunication	C1	Parts for faxes, computers, radios, and telephone equipment.	50				8
7360-	-	General Supplies/Computers	E1	Includes office furniture, computers, and software. Also essential items for fire protection and medical supplies.					42
7360-	-	General Supplies/Computers	E1	Includes office furniture, computers, and software. Also essential items for fire protection and medical supplies.	215				29
7360-	-	Process Spares Administration	E1	Administration, planning, reporting, and training for Process Spares, telecommunications, and essential materials. Includes reorders, shelf criteria, assist in annual physical inventories, and perform spares annual review.	394				60
7360-	-	Program Support	E1	Monthly reporting to PTS ans SMS. Preparation of EAC and ADS Five-Year Plan, and MYPP.	48				7
7360-	-	Reserve Allowance for Loss	E1	Set aside reserve for inventory losses from damaged, disposal, excess, shrinkage, or deterioration.	99				15
7360-	-	Warehouse	E1	Occupancy of 2101M and 275EA	823				126
7360-	-	Warehouse Administration	E1	Warehousing receiving and transportation of inventories of area warehouse.	576				89
7360-	-	Productivity Commitment	F1	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(300)				(42)

Sub Total for Case T

2,701

394

Sub Total for Case D&T

2,701

2,627

Case: P

7360- - Coal A2 Needed to power 200/300 Area Steam Plants.

23

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, †=Target, P=Planning)

Adsf	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)			
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: RI Program: Inventories											
Case: P											
7360-	-	Process Spares	A2		Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.	100			982		
7360-	-	Essential Materials	B2		Includes container/drums to store waste.	10			(6)		
7360-	-	Radio equipment	C1		Radio equipment including cellular phones.	1					
7360-	-	Telecommunication	C1		Parts for faxes, computers, radios, and telephone equipment.	33			33		
7360-	-	General Supplies/Computers	E1		Includes office furniture, computers, and software. Also essential items for fire protection and medical supplies.	10					
7360-	-	Process Spares Administration	E1		Administration, planning, reporting, and training for Process Spares, telecommunications, and essential materials. Includes reorders, shelf criteria, assist in annual physical inventories, and perform spares annual review.	19			14		
7360-	-	Reserve Allowance for Loss	E1		Set aside reserve for inventory losses from damaged, disposal, excess, shrinkage, or deterioration.	411			202		
7360-	-	Warehouse	E1		Occupancy of 2101M and 275EA	1			(22)		
7360-	-	Warehouse Administration	E1		Warehousing receiving and transportation of inventories of area warehouse.	(15)			118		
						=====		=====			
Sub Total for Case P						593			1,321		
						=====		=====			
Sub Total for Case P						593			1,321		
						=====		=====			
Sub Total Case D,T & P for Inventories						3,294			3,948		

* This activity is included on the Productivity Commitment by RL Priority report.

**This activity is included on the Additional Target by RL Priority report.

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96
Prog_Id: F		Program: Landlord								
Case: D										
6660-0-	Program Integration--Landlord Program Management, Project Management, and Project Control		A2	3	Required by the Defense Authorization Act to prepare the FYP document. Contractors are required by RL to prepare an MYPP per RLIP 5000.2, Long Range Planning Process. DOE 4700.1 Proj. Mgmt. Sys. Chapter 3, Part A, Baseline Management, requires preparation of a baseline document, i.e., FYWP. SMS and PTS reporting are required by RL and DOE-HQ. Change control is a requirement of DOE 4700.1. The benefits to the program of performing these planning, control, and reporting activities include being able to develop scope and schedule.					1,892
6660-0-	Program Integration-Site Planning		A2	3	If funding is cut or eliminated, all the tasks associated with maintaining safe land use and infrastructure conditions on the Site would be abandoned. A very high potential for TPA impacts would exist as land use and site selection controls would be abandoned. life cycle planning for old and deteriorating infrastructure systems would be impossible and no follow through on the Infrastructure Transisiton Initiative strategies would occur.					1,815
6665-0-	General Purpose Facilities Roof and HVAC replacements		A2	2	Most of Hanford general purpose facilities are over 30 years old. The roofs HVAC equipment of these facilities have long outlived their useful life. Roof leaks have resulted in structural damage causing unsafe conditions. leaks also impede activities conducted in the facilities including damaging equipment. Failed/inadequate HVAC results in inhabitable facilities and damage to sensitive electronic equipment. The older HVAC systems were never intended to meet today's requirements. 15 small roofs totaling apprx. 40,000 sq.ft. will be replaced. Two HVAC systems will also be replaced and surveillance and maintenance conducted on abandoned buildings.					1,574
6670-0-	Capital Equipment - Project Identification and scoping		A2	2	The benefits to the program of this activity are the development of schedule and technical scope, coordination of the Capital Equipment Review Board meeting, and monitoring performance to assure completion of workscope and reduction					108

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: F Program: Landlord										
Case: D										
6670-0-	Capital Equipment - various commitments/priorities	A2	2	of uncosted/uncommitted balances. A2--Vehicle CAD computer system to improve safe response for firefighters and personnel in emergency situations. Upgrade Monorail System for Water System to original 6-ton as built. B1--TPA M-32-02, item d, Digital Site GIS Base Map Collection; C2--Telecommunications spares for maintenance of system, HEHF/PNL equipment; D1--test equipment to support telecommunications maintenance; E1--replace obsolete shop equipment; F1--CAD Workstations and Engineering Analysis Workstation for support to engineering analysis model development, i.e., support structural analysis, accident scenarios.					5,916	
6680-0-	Proposed Line Items (FY 1997 - 1998)	A2	2	Decrement case only supports one of the four identified FY 1997 line items. Will not support any FY 1998 line items.					81	
6660-0-	Program Integration NEPA	B1	6	NEPA establishes national environmental policy goals for the protection, maintenance, and enhancement of the environment and provides a process for implementing these goals within the federal agencies. If not funded in FY96, the NEPA documentation for the Hanford Site General Purpose Facility projects cannot be prepared.					162	
6675-0-	General Plant Projects	B2	2	Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is jeopardized, state and feder laws cannot be met and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are available with sufficient capacity when needed.					5,857	
6680-0-	FY 1996 New Starts (200 Area Sanitary Sewer System, Fire Station	B2	2	FY 1996 Line Items will begin definitive design.					4,992	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority

RL Grmbly

Justification

(\$,000)

FY 95

FY95P

FY95I

(\$,000)

FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 50

Prog_Id: F Program: Landlord

Case: D

Ads#	Act	Workscope Desc	Priority	RL	Grmbly	Justification	(\$,000)	(\$,000)
							FY 95	FY 96
6660-0-		and Fire/Grnd Training Facility, Buildings Utilit Replace, 300 Area) Program Integration--Capital Asset Management Process (CAMP)	C2	4		If not funded, the systems and assets will continue to deteriorate without a structured program in place to identify and address the potential problems. This increases the likelihood of imminent safety hazards going unnoticed and greatly increases the potential for more accidents and the possibility of another fatality.		1,043
6665-0-		Expense Funded Projects -NEC	C2	2		Electrical system deficiencies have been identified in facilities that, if left as is, could result in personnel injury, property loss, and disruption of mission. Potential injuries from electrical systems has been identified as a highly likely event at Hanford due to the current condition. Not funding this work will delay the correction process resulting in unresolved safety related deficiencies and add'l costs to due escalation.		759
6665-0-		Expense Funded Projects--Demolition	C2	2		Buildings that are no longer useful or which present a danger to personnel due to their condition require demolition. If the buildings remain standing, they must be maintained and routine surveillance conducted. Certain building sites cannot be reused or transferred to others if the demolition is not performed. Not funding this work will delay the demolition of structures in the 300 and 3000 Areas impacting final cleanup of the site, as well as prolonging surveillance and maintenance costs.		1,139
6665-0-		Expense Funded Projects--General Purpose Facilities maintenace and repairs	C2	2		This work is required to correct safety deficiencies and to maintain the habitability of buildings. If not funded, leaking roofs and structural failures cannot be repaired, and failing HVAC systems cannot be replaced, and buildings will not be maintained. General purpose facilities are needed in support of the Hanford Waste Management and Environmental Restoration mission.		1,625
6680-0-		Line Items--Project identification	E1	5		Temporary facilities on site were constructed during the		336

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority RL Grmbly	Justification	(\$,000)			(\$,000)	
						FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: F Program: Landlord										
Case: D										
and Scoping										
					1940s as part of the Manhattan Project. Over the years, a lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is jeopardized, state and federal laws cannot be met, and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are available with sufficient capacity when needed.					
6660-	-		G & A Rate Reduction	F1	Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.					(266)
6660-	-		Ongoing Line items	F1	Projects 325 Fac. Compliance/Renovation, 300 Area Process Sewer Piping System Upgrade, and 324 Fac. Compliance/Renovation will be in construction; Project KEH Multi Purpose Facility will be complete; and Project Primary Highway-Route N of Wye Barricade will complete design and start construction.					13,351
6660-	-		Productivity Commitment	F1	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.					(4,032)
						=====		=====		
Sub Total for Case D							0			36,352
Case: T										
6660-0-			Program Integration--Landlord Program Management, Project Management, and Project Control	A2 3	Required by the Defense Authorization Act to prepare the FYP document. Contractors are required by RL to prepare an MYPP per RLIP 5000.2, Long Range Planning Process. DOE 4700.1 Proj. Mgmt. Sys. Chapter 3, Part A, Baseline Management requires preparation of a baseline document, i.e., FYWP. SMS and PTS reporting are required by RL and DOE-HQ. Change control is also a requirement of DOE 4700.1. The benefits to the program of performing these planning, control, and reporting activities include being able to develop scope and		2,025			

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
				RL	Grnbly		FY 95	FY95P	FY95I	FY 96
Prog_Id: F		Program: Landlord								
Case: T										
6660-0-			Program Integration-Site Planning	A2	3	<p>schedule .</p> <p>If funding is cut or eliminated, all the tasks associated with maintaining safe land use and infrastructure conditions on the Site would be abandoned. A very high potential for TPA impacts would exist as land use and site selection controls would be abandoned. life cycle planning for old and deteriorating infrastructure systems would be impossible and no follow through on the Infrastructure Transisiton Initiative strategies would occur.</p>	1,775			
6665-0-			Expense Funded Projects - SARs	A2	2	<p>Safety documentation for PNL facilities does not meet the requirements of DOE Orders and Tiger Team findings document significant deficiencies in exiting SARs for both nuclear and non-nuclear facilities. The compliance plan developed for the SARs and TSRs is not being met due to lack of funding. PNL overhead has been used to gain limited progress. Funding in this activity is crucial to the progress of the work. The viability of continued use of compliant safety documentation. Activities within PNL directly supports waste tank safety, waste technology, and environmental cleanup. Not funding this work will result in increased PNL overhead rates, resulting in higher costs for support.</p>	1,000			1,500
6665-0-			General Purpose Facilities Roof and HVAC replacements	A2	2	<p>Most of Hanford general purpose facilities are over 30 years old. The roofs HVAC equipment of these facilities have long outlived their useful life. Roof leaks have resulted in structural damage causing unsafe conditions. leaks also impede activities conducted in the facilities including damaging equipment. Failed/inadequate HVAC results in inhabitable facilities and damage to sensitive electronic equipment. The older HVAC systems were never intended to meet today's requirements. FY 96 incremental work at the target level includes design development for replacement of the 284-E building roof, apprx. 34,000 sq.ft.</p>	2,805			651
6670-0-			Capital Equipment--Project	A2	2	<p>The benefits to the program of this activity are the</p>	105			

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ad#	Act	Sub	Workscope Desc	Priority RL Grmbly	Justification	(\$,000)			(\$,000)	
						FY 95	FY95P	FY95I	FY 96	FY96P
Prog_Id: F		Program: Landlord								
Case: T										
			Identification and Scoping		development of schedule and technical scope, coordination of the Capital Equipment Review Board Meeting, and monitoring performance to assure completion of scope and reduction of uncosted/uncommitted balances.					
6660-0-			Program Integration NEPA	B1 6	NEPA establishes national environmental policy goals for the protection, maintenance, and enhancement of the environment and provides a process for implementing these goals within the federal agencies. If not funded in FY95, the NEPA documentation for the Hanford Site General Purpose Facility projects cannot be prepared.	158				
6670-0-			Capital Equipment - various commitments/priorities	B1 2	FY 1995 funding supports B1--TPA M-32-02, item d, Digital Site GIS Base Map Collection; B2--Elimination of waste streams (300 Area Powerhouse); C1--Radio equipment to support Emergency Preparedness; C2-- Telecommunications spares for maintenance of system, HEHF/PNL equipment; D1--test equipment to support telecommunications maintenance; E1--replace obsolete shop equipment; F1-- Transportation replacements (light, heavy, including CWIP), Document and Records Services equipment, SCADA replacement (remote operation of substations to prevent power outages.) Incremental funding in FY96 includes CAD workstations, Eng. Analysis Workstations, Transportation, etc.	11,500			1,809	
6680-0-			On-going line items	B1 2	Projects currently under construction would not be completed which may result in legal liabilities associated with current contracts.	14,008				
6680-0-			Proposed Line Items (FY 1996 - 1997)	B1 2	Required to support development of outyear line item projects including permitting and validation.	968				
6675-0-			General Plant Projects	B2 2	Incremental target funding provides for construction of parking safety upgrades and 300 Area water metering to control effluents.				2,783	
6675-0-			General Plant Projects	B2 2	Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, a	8,280				

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)
FY 95

FY95P FY95I

(\$,000)
FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 54

Prog_Id: F Program: Landlord

Case: T

Ads#	Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	FY95P FY95I	(\$,000) FY 96	FY96P FY96I
				lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is jeopardized, state and federal laws cannot be met, and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are available with sufficient capacity when needed.				
6680-0-		FY 1995 New Starts	B2 2	FY 1995 projects will begin Definitive Design. (Primary Highway Rte-M of Wye Barricade and 324 Facility Compliance Renovation)	4,101			
6660-0-		Program Integration--Capital Asset Management Process (CAMP)	C2 4	If not funded at the target level, the Roof Assessment program to examine the roofs to determine safe access cannot be accomplished, the surveillance and maintenance of unoccupied non-radiologica facilities will not continue, the development and maintenance of the Site Catelogs will not continue, and only a limited amount of CAS information will be evaluated and constructively summarized. Without the evaluation of the CAS data, no roof assessment program to determine safe roof access and not surveillance and maintenance of unoccupied non-radiological facilities, and the potential for a serious accident is drastically increased.	1,020		426	
6665-0-		Expense Funded Projects -NEC	C2 2	Electrical system deficiencies have been identified in facilities that, if left as is, could result in personnel injury, property loss, and disruption of mission. Potential injuries from electrical systems has been identified as a highly likely event at Hanford due to the current condition. Not funding this work will delay the correction process resulting in unresolved safety related deficiencies and add'l costs to due escalation.	666			
6665-0-		Expense Funded Projects--Demolition	C2 2	Buildings which are no longer useful or which present a danger to personnel due to their condition require demolition. If the buildings remain standing, they must be	1,319			

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000)			(\$,000)	
				FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: F	Program: Landlord							
Case: T								
6665-0-	Expense Funded Projects--General Purpose Facilities maintenace and repairs	C2 2	<p>maintained and routine surveillance conducted. Certain building sites cannot be reused or transferred to others if the demolition is not performed. Not funding this work will delay the demolition of structures in the 300 and 3000 Areas impacting final cleanup of the site.</p> <p>This work is required to correct safety deficiencies and to maintain the habitability of buildings. If not funded, leaking roofs and structural failures cannot be repaired, and failing HVAC systems cannot be replaced, and buildings will not be maintained. This workscope should no longer be funded through overheads, as doing so is in direct violation of the Contracting Cost Accounting Standards which states that costs must be charged to an end objective. GPFs are needed in support of the Hanford Waste Management and Environmental Restoration mission. The maintenance and repairs of these GPFs clearly falls under the Landlord Program specific mission.</p>	1,588				
6680-0-	Line Items--Project identification and Scoping	E1 5	<p>Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, a lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is jeopardized, state and federal laws cannot be met, and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are available with sufficient capacity when needed.</p>	582				
6660- -	G & A Rate Reduction	F1	Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(300)			(45)	
6660- -	Productivity Commitment	F1	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(5,157)			(709)	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)			
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I	
Prog_Id: F		Program: Landlord										
Case: T												
						Sub Total for Case T	46,443			6,415		
						Sub Total for Case D&T	46,443			42,767		
Case: P												
6660-0-		Program Integration -- Project Control	A2	3	Project control has been funded through the use of work orders with KEH performing the work. If not funded, project control will have to be funded through overheads.						571	
6660-0-		Program Integration-Site Planning	A2	3	At the planning level, 100% of Site Planning's functions would be funded through Landlord. At levels lower than this, funding will still be required from the Occupancy Pool to meet administrative costs, life cycle planning would not occur for all infrastructure systems, and Modules I and II of the land use and infrastructure planning system could not be developed.						2,375	
6665-0-		General Purpose Facilities Roof and HVAC replacements	A2	2	Incremental FY96 funding includes partial replacement of the 284-E Building roof.						1,349	
6665-0-		SARs	A2	2	The additional funds will allow acceleration of the safety documentation preparation and earlier elimination of the non-compliance. The benefit of the add'l funding is reduced funded requirements in the outyears and more positive impact to PNL overhead rates.						1,476	
6670-0-		Capital Equipment - various commitments/priorities	A2	2	Code of Federal Regulations (CFR) 41 101-38.402 and 101-25.405. This equipment is required to continue support of construction and restoration activities. All requested units are for replacement of obsolete and far beyond normal service life equipment. Continued use of some construction.						3,875	
6685-0-		Proposed Line Items	A2	2	FY 1997 Line Items will be in budget year - 1 (fallow year). FY 1998 Line items will be in CDR stage and presented for validation. A/E selection would not occur for 97 LIs and CDRs will not be completed for FY 98 LIs.						260	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)			
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I	
Prog_Id: F		Program: Landlord										
Case: P												
6675-0-		General Plant Projects - 300 Area Cable Replacement	B2	2	This project replaces the overhead signal cable in the 300 Area. This cable is installed in the 1950s and is now obsolete, deteriorated, unreliable, and creates an overhead obstruction. The signals that travel on the cable are still needed and provide critical alarms and site evacuation messages.						2,200	
6660-0-		Program Integration--Capital Asset Management Process (CAMP)	C2	4	If not funded, the systems and assets will continue to deteriorate without a structured program in place to identify and address the potential problems. This increases the likelihood of imminent safety hazards going unnoticed and greatly increases the potential for more accidents and the possibility of another fatality.						1,517	
6665-0-		Expense Funded Projects--General Purpose Facilities maintenace and repairs	C2	2	Includes North General Purpose Facility maintenance, all of the PNL corrective maintenance and PNL preventative maintenance. Also includes carpenter services for the North general purpose facilities.						12,075	
6680-0-		Line Items--Project identification and Scoping	E1	5	Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is jeopardized, state and federal laws cannot be met, and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are availabale with sufficient capacity when needed.						1,262	
						=====			=====			
Sub Total for Case P						0					26,960	
						=====			=====			
Sub Total for Case P						0					26,960	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000)			(\$,000)	
				FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: F Program: Landlord

Case: P

Sub Total Case D,T & P for Landlord

46,443

69,727

* This activity is included on the Productivity Commitment by RL Priority report.

**This activity is included on the Additional Target by RL Priority report.

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 59

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Prog_Id	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Prog_Id: A2		Program: Liquid Effluents									
Case: D											
2300-0-		200 Area ETF Operations	B1	1	Provides for LERF, ETF, and TEDF Operations. Includes full WSCF lab support. Impacts: TPA M-17 and M-26 milestones are missed and 242-A Evaporator is shut down which impacts numerous TWRS milestones.					7,500	*
2300-0-		200 Area ETF Operations	B1	1	Provides for LERF, ETF, and TEDF Operations. Includes full WSCF lab support. Impacts: TPA M-17 and M-26 milestones are missed and 242-A Evaporator is shut down which impacts numerous TWRS milestones.					21,972	
2300-0-		200 Area Systems Engineering-Tritium Study	B1	5	Evaluates tritium removal technology and prepares yearly status report. Impacts: TPA M-26-05 milestone would be missed.					137	
2300-0-		300 Area Liquid Effluent Facilities Operations	B1	1	Provides compliant operations of 300 Area TEDF, 340 Facility and 307 Basins. Includes System Engineering study on secondary waste minimization (\$209k). Impact: Failure to operate would cause closure of 300 Area facilities, including labs and delay TWRS TPA milestones associated with core sampling analysis and tank safety investigations.					11,801	
2300-0-		340 Facility 2nd Containment/Leak Detection (Project W-302)	B1	2	Provides for engineering to support FY 97 Line Item for replacement of the 300 Area Radiation Process Sewer and 340 Facility. Impacts: Non-compliance with WAC/RCRA for tank systems secondary containment and leak detection requirements. Possible fines or shutdown causing closure of 300 Area Facilities including labs and delaying TWRS TPA milestones associated with core sampling and safety investigations.					114	*
2300-0-		Program Management	B1	3	Provides the planning, budgeting, statusing, performance monitoring, customer interface, and program direction for the Liquid Effluents Program. Impacts: TPA M-17 and Consent Order DE-91NM-177 milestones missed and TPA Article XLVIII, paragraphs 138/139 Cost, Schedule, and Scope Planning and Reporting not supported.					600	*
2300-0-		Program Management	B1	3	Provides the planning, budgeting, statusing, performance monitoring, customer interface, and program direction for the					927	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: A2 Program: Liquid Effluents									
Case: D									
Liquid Effluents Program. Impacts: TPA M-17 and Consent Order DE-91NM-177 milestones missed and TPA Article XLVIII, paragraphs 138/139 Cost, Schedule, and Scope Planning and Reporting not supported.									
2300-1-	Phase II BAT/AKART (Project W-252) Partial funding	B1	5	Continues project support and provides partial funding for construction of Phase II streams BAT/AKART implementation for Tank Farms, B-Plant, and 284-E Powerplant to meet Oct 97 M-17 milestone. Impact: TPA M-17-00B milestone would be missed.				12,592	**
2300- -	G&A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.				(600)	
2300- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Team (PIT) in order to fund designated critical unfunded items.				(4,119)	
					=====			=====	
Sub Total for Case D							0	50,924	
Case: T									
2300-0-	200 Area ETF Full Operations (Projects: C-018H/W-105/W-049H/W-291H)	A2	1	Provides for LERF, ETF, and TEDF Operations. Completes the readiness review activities for ETF (Project C-018H), TEDF (Project W-049H), and BAT/AKART Implementation (Project W-291H). Impacts: TPA M-17 and M-26 milestones are missed and 242-A Evaporator is shutdown which impacts numerous TWRS milestones.	23,522				
2300-0-	300 Area TEDF Operations (Project L-045H)	A2	1	Provides readiness reviews, startup testing, systems engineering, and continued operations for 300 Area facilities. Impacts: TPA M-17 milestone would be missed resulting in either 300 Area facilities required shutdown or continued discharge of unpermitted liquid effluents to soil column.	8,318				
2300-0-	340/307 Operations	A2	1	Supports full operations with safety and training upgrades, conduct of operations, implementation, safety documentation modification, and tank integrity assessment completed. Impact: Non-operation would shut down 300 Area labs and TPA	5,016				

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 61

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: A2 Program: Liquid Effluents									
Case: T									
2300-0-	200 Area Systems Engineering New Feed Definition	B1	5	M-44 milestones for core sampling would be missed. (Note: Work scope moved from T Plant into Liquid Effluents in FY 1994.) Supports investigation and acceptance of potential new feeds into 200 Area ETF and TEDF for treatment and disposal. The ETF was designed to treat a wide range of dilute waste water streams. To allow the treatment of streams other than the 242-A process condensate, several complex regulatory and treatment train processing issues must be satisfied. Tasks include: Enhance ETF complex flexibility; waste water feed logic; ETF utilize/process eng. interface; and treatability-lab testing. Impacts: Potential for TPA M-13 and M-34 milestones to be delayed if logic defines ETF as appropriate treatment facility.	823		356		**
2300-0-	200 Area Systems Engineering-Tritium Study	B1	5	Evaluates tritium removal technology and prepares yearly status report. Impacts: TPA M-26-05 milestone would be missed.	134				
2300-0-	340 Facility 2nd Containment/Leak Detection (Project W-302)	B1	2	Provides for engineering to support FY 97 Line Item for replacement of the 300 Area Radiation Process Sewer and 340 Facility. Impacts: Non-compliance with WAC/RCRA for tank systems secondary containment and leak detection requirements. Possible fines or shutdown causing closure of 300 Area Facilities including labs and delaying TWRS TPA milestones associated with core sampling and safety investigations.	380	*			
2300-0-	Interim Compliance	B1	1	Supports Groundwater Impact Assessment to allow interim discharges to T ditches and B Pond to continue. Maintains LEMIS system required by TPA milestone M-35 as a database available to regulators. Impacts: TPA M-17 and M-35 milestones missed and possible shutdown of T-Plant, Tank Farms, and B-Plant streams discharging to B Pond.	590				
2300-0-	Miscellaneous Streams	B1	1	Implements the plan and schedule for disposal and regulatory compliance of misc. streams submitted to Ecology in 1/94 as	1,421		472		**

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95		(\$,000) FY 96	FY96P FY96I

Prog_Id: A2 Program: Liquid Effluents							
Case: T							
			required by the Consent Order. Tasks include development of Best Management Practice, Injection Well registrations, and WAC 173-216 permit submittals. Impacts: Consent Order DE91NM-177 milestones would be delayed. Potential to result in fines and cease discharge orders for these streams impacting PUREX, Tank Farms, U03, 222S, and steam distribution system.				
2300-0-	Program Management	B1 3	Provides the planning, budgeting, statusing, performance monitoring, customer interface, and program direction for the Liquid Effluents Program. Impacts: TPA M-17 and Consent Order DE-91NM-177 milestones missed and TPA Article XLVIII, paragraphs 138/139 Cost, Schedule, and Scope Planning and Reporting not supported.	1,493			
2300-1-	Phase II BAT/AKART (Project W-252)	B1 1	Continues project support and initiates construction of Phase II streams BAT/AKART implementation for Tank Farms, B-Plant, and 284-E Powerplant to meet Oct 97 M-17 milestone. Impact: TPA M-17-00B milestone would be missed.	500	*		
2300-1-	Phase II BAT/AKART (Project W-252)	B1 1	Continues project support and initiates construction of Phase II streams BAT/AKART implementation for Tank Farms, B-Plant, and 284-E Powerplant to meet Oct 97 M-17 milestone. Impact: TPA M-17-00B milestone would be missed.	772			
2300-1-	Phase II BAT/AKART (Project W-252)	B1 1	Continues project support and initiates construction of Phase II streams BAT/AKART implementation for Tank Farms, B-Plant, and 284-E Powerplant to meet Oct 97 M-17 milestone. Impact: TPA M-17-00B milestone would be missed.	6,579		8,523	**
2310-1-	HEC Project Expense Support	B1 2	Provides overall HEC project administration and closeout costs for subprojects C-018H, C-031H, L-045H, W-007H, W-049H, and W-291H. Impacts: TPA M-17 and M-32-01B will be missed shutting down 242-A Evaporator, 300 Area labs, PFP, and B Plant facilities.	1,400			
2300-0-	Miscellaneous Streams BAT Implementations	B2 1	Provides engineering report for miscellaneous streams Line Item and initiate FDC. Impacts: Consent Order DE 91MN-177 milestones would be delayed. Potential to result in fines			362	**

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Prog_Id	Sub	Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000)			(\$,000)	
						FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: A2	Program: Liquid Effluents									
Case: T										
					and cease discharge orders for these streams impacting PUREX, Tank Farms, U03, 222S, and steam distribution system missions.					
2300-		-	G&A Rate Reduction	F1	Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(600)				
2300-		-	Productivity Commitment	F1	Productivity Commitment (10%) identified by the Westinghouse Program Team (PIT) in order to fund designated critical unfunded items.	(4,125)			(727)	
						=====			=====	
					Sub Total for Case T	46,223			8,986	
						=====			=====	
					Sub Total for Case D&T	46,223			59,910	
Case: P										
2300-0-			300 Area TEDF - Office Facility	D2 2	Provides for upfront engineering/procurement for office space in the 300 Area TEDF. No office space is associated in the treatment building. Current staff will be housed in leased trailers. Impacts: After 2 years, leased trailers will be removed and engineering, maintenance, and support staff will require alternate housing. Delay in support will hinder operations, increasing plant downtime, and not support Cost and Management Efficiency Initiative in TPA.	342			2,045	
2300-0-			200 Area Systems Engineering Treatability Testing	E1 5	Contingent funding for add'l treatability testing in support of the 200 Area ETF operation enhancements.	554			1,080	
						=====			=====	
					Sub Total for Case P	896			3,125	
						=====			=====	
					Sub Total for Case P	896			3,125	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority RL Grably	Justification	(\$,000)			(\$,000)	
						FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: A2 Program: Liquid Effluents

Case: P

Sub Total Case D,T & P for Liquid Effluents

47,119

63,035

* This activity is included on the Productivity Commitment by RL Priority report.

**This activity is included on the Additional Target by RL Priority report.

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 65

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: H Program: PNL - Science and Technology									
Case: D									
8400-0-SA	CsCl Legacy Safety Program	A1	1	Resolve increasing safety concern in 327 pool from swelled CsCl capsules. If not funded, increased risk of a capsule rupture could contaminate pool and possibly result in loss of 327 facility.					1,279
8410-0-AA	324 Bldg B-Cell Restoration	A1	1	Resolve major safety concerns. If not funded, would create unacceptable safety risks, and the potential for a release of radioactive material to the environment would increase. (Supplemented by ADS 8400-0-YA.)					10,509
8410-0-YA	324 Bldg B-Cell Restoration	A1	1	Provides supplemental non-defense funding for ADS 8410-0-AA in Decrement Case only.					238
8400-0-DA	Waste Management Operations	A2	2	Regulatory requirement to manage PNL hazardous and radioactive wastes. If not funded, fines may result for violations of numerous environmental and safety regulations.					3,907
8400-0-FA	242B/BL & 2718E PNL Lab Surveillance and Maintenance	A2	2	Regulatory requirement for regular inspections to maintain safe storage of unmanned, contaminated lab spaces. If not funded, would increase safety risks to an unacceptable level.					92
8400-0-MA	Effluent monitoring	A2	2	Regulatory requirement for monitoring PNL air and liquid effluent streams to verify compliance. Includes effluent path verification, stream characterization, sample collection and analyses, mobile field monitoring, and operation and maintenance of sampling/monitoring systems. If not funded, fines may result for violations of environmental laws and facilities may be forced into shutdown.					3,513
8400-0-NA	Essential ES&H drawings	A2	2	Provides as-built drawings for the Hazard Class II Buildings safety systems modifications and investigations of occurrences. If not funded, health and safety hazards in the facility will not be corrected adequately.					854 *
8400-0-TA	324 Bldg Hot Cell Facility Surveillance and Maintenance	A2	2	Regulatory requirement for regular inspection of radioactive materials and safety systems. If not funded, significant worker safety issues and the potential for a release of radioactive material to the environment would increase.					2,820
8400-0-AA	Refrigerant Replacement program	B1	2	Regulatory requirement to phase out the use of regulated refrigerants. If not funded, fines may result from					300 *

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: H Program: PNL - Science and Technology									
Case: D									
8400-0-BB	Cultural Resources Management	B1	2	violations of environmental laws. Partial funding towards regulatory requirement for protection of Hanford Site historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform CR reviews in piece-meal fashion.				203	
8400-0-CA	Public Safety and Resource Protection Program	B1	2	Independent assessment of the impacts of Hanford on the environment and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site Environmental Report; provides meteorological/climatological services, samples and characterizes groundwater. Provides dosimetry coordination, analytical support services, Native American interaction, NEPA characterization, a grant to Nature Conservancy, and public/educational outreach activities. Failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations, and the public as baseline information on Hanford environmental status.				8,957	
8400-0-CA	Public Safety and Resource Protection Program	B1	2	Independent assessment of the impacts of Hanford on the environment and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site Environmental Report; provides meteorological/climatological services, samples and characterizes groundwater. Provides dosimetry coordination, analytical support services, Native American interaction, NEPA characterization, a grant to Nature Conservancy, and public/educational outreach activities. Failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations, and the public as baseline information on Hanford environmental status.				3,600	*
8400-0-EA	RMW Storage Tank Inspection (PNL)	B1	1	Regulatory compliance for inspection of highly radioactive storage tanks. If not funded, tank integrity cannot be demonstrated, leaks may not be stopped, and the potential for release of radioactive material to the environment may				1,536	*

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: H Program: PNL - Science and Technology										
Case: D										
8400-0-KA	Pollution Prevention Program	B1	2	increase. Regulatory requirement for pollution prevention program. If not funded, the RCRA hazardous waste manifest cannot be approved resulting in the inability to ship hazardous and radioactive mixed waste to disposal/storage facilities.				535	*	
8400-0-LA	NEPA compliance program	B1	2	Regulatory requirement to assess environmental compliance of PNL programs. If not funded, fines may result and facilities/programs may be shut down.				576		
8400-0-PA	RCRA Permitting	B1	2	Regulatory requirements for permitting basic research in the treatment of RCRA hazardous wastes. If not funded, would result in failure to meet TPA milestones, potential fines for RCRA violations, and shutdown of operations.				109		
8400- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.				(3,903)		
					=====			=====		
Sub Total for Case D							0	35,125		
Case: T										
8400-0-SA	CsCl Legacy Safety Program	A1	1	Resolve increasing safety concern in 327 pool from swelled CsCl capsules. If not funded, increased risk of a capsule rupture could contaminate pool and possibly result in loss of 327 facility.			1,500			
8400-0-YA	324 Bldg B-Cell Restoration	A1	1	Provides supplemental defense funding for ADS 8410-0-AA.			672		(238)	
8410-0-AA	324 Bldg B-Cell Restoration	A1	1	Resolve major safety concerns. If not funded, would create unacceptable safety risks and the potential for a significant release of radioactive material to the environment would increase. (Supplemented by ADS 8400-0-YA)			10,370		238	
8410-0-DA	CsCl Legacy Safety Program	A1	1	Provides required supplemental Non-Defense funding for resolution of swelled CsCl capsules to prevent capsule rupture and resulting pool contamination.					221	
8400-0-DA	Waste Management Operations	A2	2	Regulatory requirement to manage PNL hazardous and radioactive wastes. If not funded, fines may result for			3,771			

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)
FY 95

FY95P FY95I

(\$,000)
FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 68

Prog_Id: H Program: PNL - Science and Technology

Case: T

Ads#	Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	FY95P FY95I	(\$,000) FY 96	FY96P FY96I
8400-0-FA	242B/BL & 2718E PNL Lab	Surveillance and Maintenance	A2 2	violations of numerous environmental and safety regulations. Regulatory requirement for regular inspections to maintain safe storage of unmanned, contaminated lab spaces. If not funded, would increase safety risks to an unacceptable level.	92			
8400-0-MA	Effluent monitoring		A2 2	Regulatory requirement for monitoring PNL air and liquid effluent streams to verify compliance. Includes effluent path verification, stream characterization, sample collection and analyses, mobile field monitoring, and operation and maintenance of sampling/monitoring systems. If not funded, fines may result for violations of environmental laws and facilities may be forced into shutdown.	3,413			
8400-0-NA	Essential ES&H drawings		A2 2	Provides as-built drawings for the Hazard Class II Buildings safety systems modifications and investigations of occurrences. If not funded, health and safety hazards in the facility will not be corrected adequately.	830	*		
8400-0-OA	Facilities, Safety and Conduct of Operations		A2 2	Regulatory requirement for testing eyewash and safety shower flush lines, asbestos survey and remediation, and MSDSS. If not funded, unacceptable worker safety conditions could occur when using eyewash stations due to rust in the lines or when exposed to asbestos or hazardous chemicals.	2,233	*	2,215	*
8400-0-TA	324 Bldg Hot Cell Facility	Surveillance and Maintenance	A2 2	Regulatory requirement for regular inspection of radioactive materials and safety systems. If not funded, significant worker safety issues and the potential for a release of radioactive material to the environment would increase.	2,750			
8410-0-BA	327 Bldg. Surveillance and Maintenance		A2 2	Regulatory requirement for regular inspection and safe storage of radioactive materials. If not funded, would create unacceptable safety risks. The potential for worker exposure and release of radioactive materials to the environment would increase.	1,763	*	1,396	*
8400-0-AA	Refrigerant Replacement program		B1 2	Regulatory requirement to phase out the use of regulated refrigerants. If not funded, fines may result from violations of environmental laws.	155	*		
8400-0-BB	Cultural Resources Management		B1 2	Regulatory requirement for protection of Hanford Site	86	*	475	*

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Prog_Id: H	Sub	Workslope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: H	Program: PNL - Science and Technology									
Case: T										
8400-0-BB		Cultural Resources Management	B1	2	historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform cultural resource reviews in piecemeal fashion. Regulatory requirement for protection of Hanford Site historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform cultural resource reviews in piecemeal fashion.	654			82	
8400-0-BB		Cultural Resources Management	B1	2	historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform cultural resource reviews in piecemeal fashion. Regulatory requirement for protection of Hanford Site historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform cultural resource reviews in piecemeal fashion.	1,200			1,200	**
8400-0-CA		Public Safety and Resource Protection Program	B1	2	Independent assessment of the impacts of Hanford on the environment and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site Environmental Report; provides meteorological/climatological services, samples and analyzes groundwater. Provides dosimetry coordination, analytical support services, Native American interaction, NEPA Characterization, a grant to Nature Conservancy, and public/educational outreach activities. Failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations, and the public as baseline information on Hanford environmental status.	9,253				
8400-0-CA		Public Safety and Resource Protection Program	B1	2	Independent assessment of the impacts of Hanford on the environment and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site Environmental Report; provides meteorological/climatological services, samples and analyzes groundwater. Provides dosimetry coordination, analytical support services, Native American interaction, NEPA Characterization, a grant to Nature Conservancy, and public/educational outreach activities. Failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations,	2,900	*			

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)
FY 95

FY95P FY95I

(\$,000)
FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Prog_Id: H Program: PNL - Science and Technology

Case: T

Ads#	Act	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	FY95P	FY95I	(\$,000) FY 96	FY96P	FY96I
					and the public as baseline information on Hanford environmental status.						
8400-0-CB		Hanford Ecological Compliance Assessment	B1	2	Partial funding towards the regulatory requirements for protection of endangered wildlife, habitat, and vegetation during operation of the Hanford Site. If not funded, fines and work stoppages may result.	193			208		
8400-0-EA		RMW Storage Tank Inspection (PNL)	B1	1	Regulatory compliance for inspection of highly radioactive storage tanks. If not funded, tank integrity cannot be demonstrated, leaks may not be stopped, and the potential for release of radioactive material to the environment may increase.	1,368	*				
8400-0-KA		Pollution Prevention Program	B1	2	Regulatory requirement for pollution prevention program. If not funded, the RCRA hazardous waste manifest cannot be approved resulting in the inability to ship hazardous and radioactive mixed waste to disposal/storage facilities.	465	*				
8400-0-LA		NEPA compliance program	B1	2	Regulatory requirement to assess environmental compliance of PNL programs. If not funded, fines may result and facilities/programs may be shut down.	560					
8400-0-PA		RCRA Permitting	B1	2	Regulatory requirements for permitting basic research in the treatment of RCRA hazardous wastes. If not funded, would result in failure to meet TPA milestones, potential fines for RCRA violations, and shutdown of operations.	400					
8400-0-BA		Standards/Requirements Identification Documents (S/RIDs)	D1	2	DNFSB recommendation to assess compliance with all standards/regulations. If not funded, audit findings may result.				1,089	*	
8400-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(4,463)			(688)		
						=====			=====		
Sub Total for Case T						40,165			6,198		
						=====			=====		
Sub Total for Case D&T						40,165			41,323		

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: H Program: PNL - Science and Technology											
Case: P											
8400-0-CB		Hanford Ecological Compliance Assessment	B1	2	Regulatory requirements for protection of endangered wildlife, habitat, and vegetation during operation of the Hanford Site. If not funded, fines and work stoppages may result.	554			561		
8400-0-LA		NEPA compliance program	B1	2	Regulatory requirement to assess environmental compliance of PNL programs. If not funded, would eliminate review of bench-scale research activities for NEPA compliance, preparation of generic CXs, and conducting appraisals of PNL centers for NEPA compliance verification.	116			143		
8400-0-VA		Interim Storage of HBEP Irradiated Fuel	B1	4	Contractual requirement to remove nuclear fuel. If not funded, DOE irradiated fuel will not be removed from commercial reactor in a high density population area to a DOE site.				76		
8400-0-ZA		300 Area RH-MW Treatment System	B2	4	Initiates treatment/disposal of RH-RMW for 324 B Cell. If not funded, increases regulatory risks and long-term safety risks.	538			1,511		
8400-0-JA		Clean-up of PNL Labs in 242B/BL and 2718E bldg	F1	4	Provides legacy facility cleanout. If not funded, creates long term ES&H risks and non-compliance with DOE Orders; continued costs for S&M of lab spaces to maintain safe conditions.	273			839		
8400-0-UA		SMS Implementation	F1	3	Implements Hanford Site Management System. If not funded, PNL will be out of compliance with RL policy directive RLIP 5000.5 and Site Management Plan.	707			712		
						=====			=====		
Sub Total for Case P						2,188			3,842		
						=====			=====		
Sub Total for Case P						2,188			3,842		

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub	Priority	Workscope Desc	RL Grnbly	Justification	(\$,000)			(\$,000)	
					FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: H Program: PNL - Science and Technology

Case: P

Sub Total Case D,T & P for PNL - Science and Technology

42,353

45,165

* This activity is included on the Productivity Commitment by RL Priority report.

**This activity is included on the Additional Target by RL Priority report.

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 73

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: Y2 Program: Plans and Budgets									
Case: D									
7250-0-AE	HMP	B1	3	Revise Hanford Mission Plan "Site Guidance" based on Systems Engineering and new requirements on decisions; prepare add'l Hanford Strategic analysis material balances to add process options proposed by SE or stakeholders; and maintain existing material balances to remain current with program decisions.				1,052	
7250-0-AI	MYPP Coordination	B1	3	This activity results in the development of the Hanford technical, schedule, and cost baseline documents which performance will be measured against. The development of the Site Integrated Schedule will be a direct product and outcome of the Hanford programmatic baseline information. This activity provides for training to develop improved methods for activity based planning and cost estimating. Technical cost assessments and reviews are performed in order to assure compliance with DOE requirements and WHC procedures. Baseline technical reviews provide an independent validation of workscope.				1,629	
7250-0-AA	Risk Assessment	D2	3	Integrated Risk Assessment Program (IRAP) develops and implements methodology for site-wide risk assessments. IRAP estimates risk to the public, workers, and ecosystem for three time periods: at the current time, during remediation, and for the final site end-state. At the FY 1996 decrement level, the public health baseline risk assessment is completed, and the worker health baseline risk assessment is initiated.				844	
7250-0-AB	PI Program Management	D2	3	Basic PI program coordination, required to complete SMS and PTS reporting, change control administration. Also includes PI program planning documentation, including coordination of the MYPP/FYWP/ADS, etc.				178	
7250-0-AC	Baseline Integration Management Support	D2	3	Management support and administration of Five Year Plan and MYPP activities.				294	
7250-0-AD	Progress Tracking System	D2	3	RL will be in compliance with the HQ mandated reporting requirements by the Undersecretary to comply with OMB managed directions--105 Stat 1290 Sec. 3135(a); DOE Order 2250.1C,				617	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: Y2 Program: Plans and Budgets										
Case: D										
7250-0-AG	Systems Engineering	D2	3	CSCSC; DOE Order 4700.1 Project Management System; and the Office of Waste Operations-Management Policies and Requirements. The impact if not funded is inconsistency with the balance of the DOE complex in their monthly reporting of activities to HQ. Systems Engineering will be used to refine site and program missions, functions, and requirements; technical baselines; organization; and execution. It will strengthen the technical basis and integration of future Hanford Mission Plans, MYPPs, and FYWPs.				800		
7250-0-AJ	ADS preparation and submittal (prioritization, ADS reviews, program planning/development)	D2	4	ADSs are the RL/HQ prescribed means of formulating the EM budget (RL Directive 9401152B, Grumbly Guidance January 21, 1994). ADSs are also the designated medium for discussing Hanford's workscope and budget request with the regulators (TPA paragraph 139-c,d, and f). Coordination of the preparation of ADSs form the basis of Hanford's budget request leading to the congressional budget appropriation. Impact if not funded: Out of compliance with RL/HQ directive; no funding for legally mandated workscope.				567		
7250-0-AJ	Five Year Plan Systems Development, public participation, computer steering group, budget support	D2	4	Required to test, debug expanded EPDS, Windows platform, client server. Impact if not funded: increased maintenance, system failure.				188		
7250-0-AJ	IRM support to FYP EPDS and RPM	D2	4	EPDS is the computer platform used to develop ADSs, provides documentation of workscope cost estimates via Resource Pricing module (RPM). Impact if not funded: No ADSs or ADSs not in format mandated by HQ directive; inconsistent documentation of cost estimates, inability to interact with HQ system.				479		
7250-0-AK	Risk Management	D2	3	This implements risk based decision making at Hanford by supporting Systems Engineering. The application of site objectives, risk measures, and functions to form criteria, weighting to the identification, selection, and analysis of alternatives; support MYPP priority formulation.				560		

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: Y2 Program: Plans and Budgets									
Case: D									
7250-0-AL	Productivity Commitment/G&A Reduction	F1		A productivity commitment of 10% was identified by the WHC Program Integration Team in order to fund key activities. G&A reduction reflects anticipated reductions in the company-level overhead rates.				(620)	
					=====	=====			
Sub Total for Case D					0			6,588	
Case: T									
7250-0-AE	HMP	B1	3	Revise Hanford Mission Plan "Site Guidance" to allocate Systems Engineering-defined products to programs. The Site Guidance provides a common basis for program planning and linkage with SE. Prepare add'l material balances adding SE and stakeholder cases. Begin development of time phasing of process flow models. The material balances are used to assess integration and completeness of SE and Program planning baselines and alternates. Regulatory Analysis task will identify key regulatory driver and support upgrade of the SE products, as well as "site guidance." Support public/stakeholder participation in formulation and review of Hanford Site level planning. This will ensure range of options, values, etc. The FY 1996 increment will allow technical management and database integration to continue.	1,415			405	
7250-0-AI	MYPP Coordination	B1	3	This activity develops the Hanford technical, schedule, and cost baseline documents which performance will be measured against. The development of the Site Integrated Schedule will be a direct product and outcome of the Hanford programmatic baseline information. This activity provides for training to develop improved methods for activity based planning and cost estimating. Technical cost assessments and reviews are performed in order to assure compliance with DOE requirements and WHC procedures. Baseline technical reviews provide an independent validation of workscope.	1,515				
7250-0-AA	Risk Assessment	D2	3	Integrated Risk Assessment Program (IRAP) develops and	1,911			867	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)

FY 95

FY95P

FY95I

(\$,000)

FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 76

Prog_Id: Y2 Program: Plans and Budgets

Case: T

Prog_Id	Case	Workscope Desc	Priority	Justification	FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
7250-0-AB		PI Program Management	D2 3	implements methodology for site-wide risk assessments. IRAP estimates risk to the public, workers, and ecosystem for three time periods: at the current time, during remediation, and for the final site end-state. At the FY 1995 Target level, the public health baseline risk assessment continues, but is not completed. The FY 1996 increment allows the worker health baseline risk assessment to continue.	174					
7250-0-AC		Baseline Integration Management Support	D2 3	Basic PI program coordination, required to complete SMS and PTS reporting, change control administration. Also includes PI program planning documentaion, including coordination of the MYPP/FYWP/ADS, etc.	288					
7250-0-AD		Progress Tracking System	D2 3	Management support and administration of Five Year Plan and MYPP activities.	614					
7250-0-AG		Systems Engineering	D2 3	RL will be in compliance with the HQ mandated reporting requirements by the Undersecretary to comply with OMB managed directions--105 Stat 1290 Sec. 3135(a); DOE Order 2250.1C, CSCSC; DOE Order 4700.1 Project Management System; and the Office of Waste Operations-Management Policies and Requirements. The impact if not funded is inconsistency with the balance of the DOE complex in their monthly reporting of activities to HQ.	1,140					
7250-0-AJ		ADS preparation and submittal (prioritization, ADS reviews, program planning/development)	D2 4	Systems Engineering will be used to refine site and program missions, functions, and requirements; technical baselines; organization; and execution. It will strengthen the technical basis and integration of future Hanford Mission Plans, MYPPs, and FYWPs.	667					
				ADSs are the RL/HQ prescribed means of formulating the EM budget (RL Directive 9401152B, Grumbly Guidance January 21, 1994). ADSs are also the designated medium for discussing Hanford's workscope and budget request with the regulators (TPA paragraph 139-c,d, and f). Coordination of the preparation of ADSs form the basis of Hanford's budget request leading to the congressional budget appropriation.						

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)
FY 95

FY95P FY95I

(\$,000)
FY 96

FY96P FY96I

Prog_Id: Y2 Program: Plans and Budgets

Case: T

Ads#	Act	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	FY95P	FY95I	(\$,000) FY 96	FY96P	FY96I
					Impact if not funded: Out of compliance with RL/HQ directive; no funding for legally mandated workscope.						
7250-0-AJ		Five Year Plan Systems Development, public participation, computer steering group, budget support	D2	4	Required to test, debug expanded EPDS, Windows platform, client server. Impact if not funded: increased maintenance, system failure.	218					
7250-0-AJ		IRM support to FYP EPDS and RPM	D2	4	EPDS is the computer platform used to develop ADSs, provides documentation of workscope cost estimates via Resource Pricing module (RPM). Impact if not funded: No ADSs or ADSs not in format mandated by HQ directive; inconsistent documentation of cost estimates, inability to interact with HQ system.	564					
7250-0-AK		Risk Management	D2	3	This implements risk based decision making at Hanford by establishing a consistent, systematic structure. It is based on EM initiative and linked to SE. Complete identification of site objectives, development of risk measures and functions for criteria, to apply to identification, selection, and analysis of alternatives in systems engineering; support MYPP budget priority formulation by facilitating risk based decision process; complete input to Systems Engineering Manual (procedures to implement Risk Management and set framework for analysis); specify focus for analysis of sitewide risk picture and provide linkage between Systems Engineering and Integrated Risk Assessment; adapt EM Risk Management Guidance/Activities to Hanford; and establish allocation of sitewide risk to programs.	628					
7250-0-AL		Productivity Commitment/G&A Rate Reduction	F1		A productivity commitment of 10% was identified by the WHC Program Integration Team in order to fund key activities. G&A rate reduction reflects anticipated reductions in the company-level overhead rates.	(747)			(109)		

Sub Total for Case T

8,387

1,163

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
BY PROGRAM BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
				RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: Y2 Program: Plans and Budgets											
Case: T											
							=====				
Sub Total for Case D&T							8,387	=====			
									7,751		
Case: P											
7250-0-AE	HMP			B1	3	HMP "Program Integration" roll up of program crosscut data to analyze from a site perspective common issues impeding progress, conflicts between programs and omission. Issue management team to clarify, assign, and track site wide issues to assure ownership and timely resolution. Build a planning database system linking HMP analysis with SE and FYP. The Planning database system will allow decision making (including stakeholders) to review alternatives, run comparisons, and see the site picture associated with alternatives.	2,077			2,180	
7250-0-AA	a-Risk Assessment			D2	3	With this increment to the target level funding, the public health baseline risk assessment will be completed in FY 1995.	589				
7250-0-AA	b-Risk Assessment			D2	3	With this increment, the worker health baseline risk assessment will be completed. If not funded in FY 1995, the increment in FY 1996, over the target level, will be required to complete the assessment.	1,800			678	
7250-0-AA	c-Risk Assessment			D2	3	With this increment, the assessment of public health risks that will exist at the end of cleanup, consistent with the current Tri-Party Agreement, will be initiated. If not funded in FY 1995, the increment in FY 1996 will be needed to complete the assessment.	896			3,529	
							=====				
Sub Total for Case P							5,362	=====			
									6,387		
							=====				
Sub Total for Case P							5,362	=====			
									6,387		

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: Y2 Program: Plans and Budgets

Case: P

Sub Total Case D,T & P for Plans and Budgets

=====	=====
13,749	14,138

* This activity is included on the Productivity Commitment by RL Priority report.

**This activity is included on the Additional Target by RL Priority report.

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)			
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I	

Prog_Id: RL Program: RL Activities/PD												
Case: D												
3031-1-		Program Direction	A1	3	Required to provide adequate managerial and financial oversight of the DOE contractors.						25,225	
103- -		DOE-RL Field Support for WM	A2	3	Required to provide adequate managerial and financial oversight of the DOE contractors.						5,703	
						=====			=====			
								Sub Total for Case D			0	30,928
Case: T												
3031-1-		Program Direction	A1	3	Required to provide adequate managerial and financial oversight of the DOE contractors.				25,406			
103- -		DOE-RL Field Support for WM	A2	3	Required to provide adequate managerial and financial oversight of the DOE contractors.				10,674			
						=====			=====			
								Sub Total for Case T			36,080	0
						=====			=====			
								Sub Total for Case D&T			36,080	30,928
						=====			=====			
								Sub Total Case D,T & P for RL Activities/PD			36,080	30,928

* This activity is included on the Productivity Commitment by RL Priority report.
 **This activity is included on the Additional Target by RL Priority report.

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: RLS Program: RL States & Tribes									
Case: D									
6631-0	Program Direction	A1	3	Required to provide adequate managerial and financial oversight of the DOE contractors.				37,063	
6603-0	DOE-RL Field Support	A2	3	Human radiation test/declassification effort				4,000	**
6603-0	DOE-RL Field Support	A2	3	Human radiation test/declassification effort				35,488	
6694-0	TPA State Funding - Mixed Waste Fee	B1	3	Required to meet DOE commitments to regulators and stakeholders.				5,039	
6604-0	Dose Reconstruction/health infor network	E1	6	Required to meet DOE commitments to regulators and stakeholders.				2,000	
6690-0	Yakima Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.				1,800	
6691-0	Nez Perce Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.				1,400	
6692-0	Umatilla Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.				1,600	
6693-0	Oregon Hanford Oversight	F1	6	Required to meet DOE commitments to regulators and stakeholders.				559	
6695-0	Environmental Support	F1	3	Required to meet DOE commitments to regulators and stakeholders.				1,717	
					=====		=====		
					Sub Total for Case D		0	90,666	
Case: T									
6631-0	Program Direction	A1	3	Required to provide adequate managerial and financial oversight of the DOE contractors.			34,891		
6603-0	DOE-RL Field Support	A2	3	Human radiation test/declassification effort			41,543		
6694-0	TPA State Funding - Mixed Waste Fee	B1	3	Required to meet DOE commitments to regulators and stakeholders.			4,897		
6604-0	Dose Reconstruction/health infor network	E1	6	Required to meet DOE commitments to regulators and stakeholders.			4,300		
6690-0	Yakima Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.			1,600		
6691-0	Nez Perce Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.			1,200		

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: RLS Program: RL States & Tribes										
Case: T										
6692-0-		Umatilla Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.		1,400			
6693-0-		Oregon Hanford Oversight	F1	6	Required to meet DOE commitments to regulators and stakeholders.		543			
6695-0-		Environmental Support	F1	3	Required to meet DOE commitments to regulators and stakeholders.		1,669			
						=====		=====		
Sub Total for Case T							92,043			0
						=====		=====		
Sub Total for Case D&T							92,043			90,666
						=====		=====		
Sub Total Case D,T & P for RL States & Tribes							92,043			90,666

* This activity is included on the Productivity Commitment by RL Priority report.
 **This activity is included on the Additional Target by RL Priority report.

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 83

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)			
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I	
Prog_Id: A1		Program: Solid Waste										
Case: D												
2200-0-		Waste Characterization	A1	2	Provides waste characterization for retrievably stored and newly generated waste to support waste receipts and retrieval operations/inspection of retrievably stored and new generated waste required for determining the safety of continued storage and compliance with regulations. Includes visual assessment of selected reactor irradiated nuclear material containers.					3,794		
2200-2-		Waste Retrieval Facility (W-113)	A1	2	Provides the facilities to initiate retrieval of the most recently stored suspect transuranic waste. Activities provided at this funding level are the award of the fixed price construction contract and the start of site preparation. Construction engineering and inspection activities will be funded. Preparation of Safety Analysis documentation will be finalized. Equipment development work will commence, but procurement activities will be delayed one year at this funding level. Air and water permits will be completed.					15,889		
2200-0-		Minimum Case Solid Waste Operations	A2	2	Minimum case funding to maintain safe and regulatory compliant conditions to accept, store, and dispose of Solid Waste in compliance with RCRA Part B Permits for Solid Waste storage and disposal facilities.					18,644		
2200-0-		Program Planning and Estimating	A2	3	Required to maintain safe configuration of facilities and provide Fiscal Year and Multi-Year Plans, ADS, SMS, PTS, and Program Planning.					6,767		
2200-0-		Solid Waste Safety Analysis Reports	A2	2	Maintain safe configuration of facilities by developing and maintaining Safety Analysis Reports and other hazard analyses.					3,183		
2200-0-		Special Waste Cask Storage	A2	2	This activity supports supports resolution of a safety issue and cleanout of the 300 Area hot cells which are needed to support TPA milestones M-10 and M-30-00. Assumes generators procure storage casks as needed.					773		
2200-0-		Solid Waste Permitting and Closures	B1	6	This activity includes approval and maintenance of five Part B Permits and initiation of LLBG Closure.					4,125		

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: A1		Program: Solid Waste								
Case: D										
2200-1-		Enhanced RMW Storage-Phase V (W-112)	B1	2	This project provides add'l RCRA compliant mix waste storage capacity, including utilities and office/maintenance areas, support the SW operations complex. Activities provided are capital construction of storage buildings, capital procurement of automated systems, and construction start of the shipping/receiving area and transfer corridor. Facility SAR, Part B permit, and equipment development would will continue.					8,894
2220-1-		WRAP 1 (W-026)	B1	2	Provides facilities to characterize (sample) and repackage low-level mixed waste and suspect transuranic waste. Funding at the Decrement case results in completion construction of this facility to satisfy TPA milestone M-18-01. Startup activities will be phased such the low-level waste line is operational to meet the TPA. This activity provides minimum required funding to continue startup preparations including operations procedure preparation, maintenance procedure preparation, ATPs review, preparation of OTPs preparation of environmental procedures and plans to meet Part B requirements, facility construction review, continue preparation of Personnel Training Certification Packages, and preparation of ORR affidavits.					9,350 *
2220-1-		WRAP 1 (W-026)	B1	2	Provides facilities to characterize (sample) and repackage low-level mixed waste and suspect transuranic waste. Funding at the Decrement case results in completion construction of this facility to satisfy TPA milestone M-18-01. Startup activities will be phased such the low-level waste line is operational to meet the TPA. This activity provides minimum required funding to continue startup preparations including operations procedure preparation, maintenance procedure preparation, ATPs review, preparation of OTPs preparation of environmental procedures and plans to meet Part B requirements, facility construction review, continue preparation of Personnel Training Certification Packages, and preparation of ORR affidavits.					1,616

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: A1	Program: Solid Waste								
Case: D									
2200- -	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.				(680)	
2200- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.				(7,194)	
					=====		=====		
Sub Total for Case D						0		65,161	
Case: T									
2200-0-	Waste Characterization	A1	2	No changes in workscope and funding increase represents add'l Productivity Challenge commitment.	5,086			62	
2200-2-	Waste Retrieval Facility (W-113)	A1	2	No changes in workscope and funding increase represents add'l Productivity Challenge commitment.	4,589			261	
2200-0-	Minimum Case Solid Operations	A2	2	No changes in workscope and funding increase represents add'l Productivity Challenge Commitment.	15,261			306	
2200-0-	Program Planning and Estimating	A2	3	No changes in workscope and funding increase represents add'l Productivity Challenge Commitment.	6,331			111	
2200-0-	Safety Analysis Reports	A2	2	No changes in workscope and funding increase represents add'l Productivity Challenge Commitment.	3,149			53	
2250-0-	Special Waste Cask Storage	A2	2	No changes in workscope and funding increase represents add'l Productivity Challenge commitment.	895			13	
2200-0-	Solid Waste Permitting and Closures	B1	6	No changes in workscope and funding increase represents add'l Productivity Challenge Commitment.	4,861			68	
2200-1-	Enhanced RMW Storage-Phase V (W-112)	B1	2	No changes in workscope and funding increase represents add'l Productivity Challenge commitment.	21,797			146	
2220-1-	WRAP 1 (W-026)	B1	2	This add'l funding will provide for preparation of the facility administrative configuration control. This level of funding is insufficient to support increasing staff levels to start-up the TRU line.				1,650	*
2220-1-	WRAP 1 (W-026)	B1	2	This add'l funding will provide for preparation of the facility administrative configuration control. This level of funding is insufficient to support increasing staff levels to start-up the TRU line.	8,537			236	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
				RL	Grnbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I

Prog_Id: A1 Program: Solid Waste										
Case: T										
2230-1-			WRAP 2A (W-100)	B1	3	At this funding level, efforts to Privatize Mixed Waste treatment are fully supported. If Privatization is unsuccessful resumption of the project is funded in FY97 at \$40M dollars, however, the project is delayed 20 months. The project funding is reduced assuming Privitization is successful in meeting the requirements of the M-19-00 milestone.	10,520		8,500	*
2230-1-			WRAP 2A (W-100)	B1	3	At this funding level, efforts to Privatize Mixed Waste treatment are fully supported. If Privatization is unsuccessful resumption of the project is funded in FY97 at \$40M dollars, however, the project is delayed 20 months. The project funding is reduced assuming Privitization is successful in meeting the requirements of the M-19-00 milestone.			1,482	
2200- -			G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(800)		(120)	
2200- -			Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(8,053)		(1,269)	
							=====		=====	
Sub Total for Case T							72,173		11,499	
							=====		=====	
Sub Total for Case D&T							72,173		76,660	
Case: P										
2200-0-			Phase II Retrieval	A1	2	Provides the second phase of TRU retrieval from the low level waste burial ground specifically addressing the RINM identified in the Spent Fuel Vulnerability Study. In addition, apprx. 400 kg's of Plutonium are removed from the burial grounds via this retrieval effort. Funding specifically in 1996 is provided to prepare the FDC document, and initiate efforts of the CDR and Safety Analysis.			2,476	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: A1 Program: Solid Waste										
Case: P										
2200-0-		Waste Characterization	A1	2	Insignificant add'l funding in the planning case to identify any change in workscope.	574			7	
2200-2-		Waste Retrieval Facility (W-113)	A1	2	Separate NDE/NDA building will be constructed. Quantity of NDE/NDA equipment will increase. Box assay equipment will be procured. Change room facility size will be increased.				4,000	
2200-0-		Caisson Retrieval (W-156)	A2	2	Remote handled transuranic (RH-TRU) containers in Alpha Caissons present a safety and environmental issue upon retrieval. This activity provides for retrieval of these RH-TRU containers currently located in the burial grounds. Treatment of these containers is currently planned at the WRAP 2B facility addressed by TPA milestone M-33-00. Funding specifically is provided for review/upgrade of the existing engineering study based upon improvements to remote handling equipment technology. This study is preparatory to the FDC.				127	
2200-0-		Minimum Case Solid Waste Operations	A2	2	Provide personnel training enhancements and provide add'l Capital Equipment funding for vehicles, equipment, and materials to support facility operations, and replace aging equipment. Add'l storage would be available via "Sprung Structure" type procurement.	1,050			2,507	
2200-0-		Program Planning and Estimating	A2	3	Provides increased support for cost estimating and budget validation. Procures storage casks for high activity waste. Privatization of Thermal Treatment is assumed to be successful with waste treatment occurring in FY96.	4,435			3,427	
2250-0-		Special Waste Cask Storage	A2	2	Perform design and construction of a waste storage unit to provide interim dry storage for special case waste required to resolve safety issues and support Laboratory Analysis for Tank Farm Waste.				3,569	
2200-0-		Solid Waste Permitting and Closures	B1	6	Provides updated NEPA documentation for ongoing activities in the Solid Waste low level burial ground.	2,478			2,407	
2200-0-		WRAP 2B (W-255)	B1	2	This facility provides a large hot cell to process RH-TRU and boxed TRU waste that is physically too large to be processed through WRAP 1. This facility is currently addressed by TPA milestone M-33-00. Funding specifically in 1996 is provided				1,171	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: A1 Program: Solid Waste										
Case: P										
2220-1-		WRAP 1 (W-026)	B1	2	to prepare the FDC document and initiate efforts on the CDR and Safety Analysis. Add'l funding provides for staffing increases to start up the TRU line.					6,331
2230-1-		WRAP 2A (W-100)	B1	3	This project will provide the processing necessary to prepare and certify Hanford retrievably stored and newly generated solid mixed low level wastes (MLLW) for final disposal. Funding at this level would result in no delay to the TPA milestone M-19-00 schedule.	5,573				22,005
2250-0-		Burial Ground Closure (W-329)	B1	6	This activity supports the requirements of the Burial Ground Part B Permits. This activity allows for relocation of infrastructure (e.g., Roads, rails, utilities) that will be impacted by the burial ground closure activities of ADS 2200-0-AE. Funding specifically in 1996 is provided to prepare the FDC document, and initiate efforts on the CDR and Safety Analysis.					1,046
2250-0-		Phase VI Storage (W-318)	B1	2	Solid Waste Protection Model predict a shortfall in RCRA compliant storage by the year 2002. This facility is a continuation of the phased storage construction approach currently managed by Solid Waste. The incremental increase in storage is based upon projects provided by the SWPM. Funding, specifically in FY96, is provided to prepare the FDC document, and initiate efforts on the CDR and Safety Analysis.					352
2250-0-		TRUSAF Extension/Expansion (W-319)	B1	4	Continued/expanded compliant storage of TRU waste at the existing TRUSAF facility. Delays in WIPP opening requires extended facility life. Facility required for high gram TRU drums. Funding specifically in FY 96 is provided to prepare the FDC document, and initiate efforts on the CDR and Safety Analysis.					1,583
2250-0-		Thermal Treatment (W-242)	B1	4	Provides for the design and construction of a facility to thermally treat contact handled low level mixed waste requiring thermal treatment mostly due to the presence of					2,394

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: A1 Program: Solid Waste										
Case: P										
2200-0-	Fire Safety Implementation	D1	2	Ability to perform Fire Hazard Analysis for Solid Waste facilities required by DOE Order 5480.7A and pollution prevention opportunities as directed by Executive order 12856.	500				511	
2200-0-	Pollution Prevention	D1	2	Ability to perform Fire Hazard Analysis for Solid Waste facilities required by DOE Order 5480.7A and pollution prevention opportunities as directed by Executive order 12856.					528	
2250-0-	ADV LLW Disposal Facility (W-174)	D1	2	Current disposal practices are expected to be adequated for Category I LLW based on initial performance assessment analysis. However, current disposal practices for Category III LLW requires greater confinement on a case-by-case basis. This activity provides for new LLW-Category III permanent disposal facility that uses lined trenches in which any size or shape object can be placed and then surrounded with grout. The surrounding grout matrix limits the mobility of radionuclides and gives structural stability which prevents future settlement. The trench ling reduces water and oxygen movement creating an anerobic environment within the disposal facility. A cap to prevent water root intrusion is also provided. The whole site will be monument with makers designed to last 10,000 years. Funding specifically in FY97					127	
2250-0-	LLW Handling Facility (W-247)	D1	2	Provides for the established facilities and equipment for volume reduction and reclamation of solid LLW for the entire Hanford Site. The specific activities to be performed in the					254	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, I=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_id: A1 Program: Solid Waste

Case: P

facility are NDA/NDE, Physical and Assay Sorting, Decontamination Recycling, and Supercompacting. Funding specifically in FY96 is provided for engineering study of the feasibility, design alternatives, and cost benefit of this activity.

Sub Total for Case P	14,610	54,822
Sub Total for Case P	14,610	54,822
Sub Total Case D,T & P for Solid Waste	86,783	131,482

* This activity is included on the Productivity Commitment by RL Priority report.

**This activity is included on the Additional Target by RL Priority report.

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: SF Program: Spent Fuels										
Case: D										
4110-0-		Applied Technology	A2		Ensure that appropriate decisions about applicable technologies are made and that definable technology solutions are developed that are directly coupled to the SNF project needs. Significant reduction will severely impact the ability of Applied Technology group to meet its commitments. Technology needs are defined during the systems engineering analysis. Specifically treatment of basin water to remove tritium and technology development of a sludge retrieval/removal system will be delayed. These delays will impact reduction of personnel exposure and potentially add add'l insutel to the environment due to basin leakage. This could also impact the project's ability to achieve its TPA milestone to remove the fuel from the basins by 2002.				239	
4110-0-		Applied Technology	A2		Ensure that appropriate decisions about applicable technologies are made and that definable technology solutions are developed that are directly coupled to the SNF project needs. Significant reduction will severely impact the ability of Applied Technology group to meet its commitments. Technology needs are defined during the systems engineering analysis. Specifically treatment of basin water to remove tritium and technology development of a sludge retrieval/removal system will be delayed. These delays will impact reduction of personnel exposure and potentially add add'l insutel to the environment due to basin leakage. This could also impact the project's ability to achieve its TPA milestone to remove the fuel from the basins by 2002.				1,761	**
4110-0-		Engineering and Systems Integration	A2		Establish technical baselines, produce systems, processes, and analyses which enable construction of facilities and physical remediation of spent nuclear fuels and their current facilities for the Hanford site. Would not be able to complete the characterization activities to support the schedule for removal of fuel and sludge from the K basins. This impacts TPA milestone M-33 which requires an agreed upon				7,300	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Prog Id	Sub	Act	Workscope Desc	Priority		Justification	(\$,000)					
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
4110-0-			K Basins Operations	A2	2	plan by 1996 for the removal of fuel by 2002. There would also be a delay of engineering necessary to provide consolidated interim storage and disposition of non K basin fuel. The preconceptual engineering studies supporting the FY 1997 Line Item would be delayed resulting in at least a one-year delay in the start of construction.				30,626		
4110-0-			PNL Support for Fuel Characterization and EIS	A2		If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include: plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and security.				6,600		
4110-0-			Project Baseline Control	A2		Support fuel characterization for the W Reactor and other Hanford fuels for the disposition of the fuel. Also included is support for the EIS preparation. Provide support necessary to meet TPA milestones for Characterization, EIS, and disposition of the fuel.				1,500		
4110-0-			Regulatory Integration and Public Involvement	A2		Impacts ability to establish and maintain credible budget baseline and Project Control/reporting requirements. Also impacts outyear forecasting.				1,200		**
4110-0-			Spent Nuclear Fuel Projects	A2		Funding is needed to provide for the Public Involvement activities and Regulatory and Safety basins for current and future spent fuel disposition alternatives.				1,500		
4110-0-			KE Encapsulation	B1	1	This funding is needed to begin urgent upgrades to K Basin water supply, electrical dist., and fire protection system.				6,277		
4110-0-			KE/KW Essential Systems Upgrade	B1	2	Failure to encapsulate the fuel in K East Basin will allow fuel degradation to continue unchecked, in direct contact with the basin water. This, in turn, will increase the sludge inventory and continually add radioactive contaminants to the water. Evaporation then emits contaminants to the atmosphere through gaseous effluent discharges. Failure to encapsulate fuel will directly impact the ability to meet TPA milestone M-34-00.				1,274		*

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
				RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: SF Program: Spent Fuels											
Case: D											
						surveillance will not be corrected. The security system maintenance problems and costs will continue to increase due to antiquated systems and unavailability of spare parts. Fire protections risks will increase, particularly in the fuel storage basins; where property loss due to a fire would be several million dollars and could be accompanied by release of on-site contamination.					
4110-0-			S/RIDS - K Basins	B1	2	Provide documentation of adherence to standard records control.				200	
4110-0-			G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.				(676)	
4110-0-			Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse PIT in order to fund designated critical unfunded items.				(4,030)	
							=====		=====		
Sub Total for Case D								0			53,771
Case: T											
4110-0-			Applied Technology	A2		Ensure that appropriate decisions about applicable technologies are made and that defensible technology solutions are developed that are directly coupled to the SNF project needs. Significant reduction will severely impact the ability of Applied Technology group to meet its commitments. Technology needs are defined during the systems engineering analysis. Specifically treatment of basin water to remove tritium and technology development of a sludge retrieval/removal system will be delayed. These delays will impact reduction of personnel exposure and potentially add add'l insutel to the environment due to basin leakage. This could also impact the project's ability to achieve its TPA milestone to remove the fuel from the basins by 2002.		1,000		1,100	
4110-0-			Engineering and Systems Integration	A2		Establish technical baselines, produce systems, processes, and analyses which enable construction of facilities and physical remediation of spent nuclear fuels and their current		3,000			

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: SF Program: Spent Fuels										
Case: T										
					facilities for the Hanford site. Would not be able to complete the characterization activities to support the schedule for removal of fuel and sludge from the K basins. This impacts TPA milestone M-33 which requires an agreed upon plan by 1996 for the removal of fuel by 2002. There would also be a delay of engineering necessary to provide consolidated interim storage and disposition of non K basin fuel. The preconceptual engineering studies supporting the FY 1997 Line Item would be delayed resulting in at least a one-year delay in the start of construction.					
4110-0-		Engineering and Systems Integration	A2		Lack of technical baselines impact the effective management of SNF projects and schedules.	7,300			1,200	
4110-0-		K Basins Electrical System Corrective Actions	A2	2	Failure to fund correction of these electrical deficiencies at K Area will result in unacceptable conditions in the field for both personnel and equipment, and failure to comply with DOE Order 6430.4A, Division 16, General Design Criteria-Electrical. These deficiencies represent significant liabilities in continued safe infrastructure support at K Area for both WHC and RL.	2,500	*		2,500	
4110-0-		K Basins Operations	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include: plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and security.	25,399				
4110-0-		K Basins Operations	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include: plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and security.	5,744	*			
4110-0-		PNL Support for Fuel Characterization and EIS	A2		Support fuel characterization for the N Reactor and other Hanford fuels for the disposition of the fuel. Also included is support for the EIS preparation. Provide support necessary to meet TPA milestones for Characterization, EIS,					

4/19/94

9:28 am

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Table: Pri96.db

Report: #2

Sub	Priority		(\$,000)		(\$,000)	
Ads# Act	Workscope Desc	RL Grmbly	Justification	FY 95	FY95P FY95I	FY 96 FY96P FY96I

Prog_id: SF Program: Spent Fuels

Case: T

4110-0-	Project Baseline Control	A2	and disposition of the fuel. Impacts ability to establish and maintain credible budget baseline and Project Control/reporting requirements. Also impacts outyear forecasting.	1,500		
4110-0-	Regulatory Integration and Public	A2	Funding is needed to provide for the Public			

Involvement	1,200	1,300				
Involvement						
4110-0-	K Basins Environmental Compliance activities	B1	2	activities and Regulatory and Safety basins for current and future spent fuel disposition alternatives. If not funded, WHC will be in non-compliance with DOE Orders NPDES and Tri-Party Agreement (M-34-00).	1,257	
4110-0-	K Basins TPA Reponse Actions	B1	1	The TPA enforceable milestone (M-34-00) of treatment and disposal of the contaminated water in 105 KE spent fuel basin will not be met. This could result in citizen suits against RL and WHC as demonstrated by legal actions taken by Hef America in 1993. EPA has also identified that the environmental insult from groundwater from 105 KE Basin is compromising the remediation of the 100-KR-4 Operable Work Unit.	340	
4110-0-	K Basins TPA Reponse Actions	B1	1	The TPA enforceable milestone (M-34-00) of treatment and disposal of the contaminated water in 105 KE spent fuel basin will not be met. This could result in citizen suits against RL and WHC as demonstrated by legal actions taken by Heart of America in 1993. EPA has also identified that the environmental insult from groundwater from 105 KE Basin is compromising the remediation of the 100-KR-4 Operable Work Unit.	1,400	2,081
4110-0-	KE Encapsulation	B1	1	Failure to encapsulate the fuel in K East Basin will allow fuel degradation to continue unchecked, in direct contact with the basin water. This, in turn, will increase the sludge inventory and continually add radioactive contaminants to the water. Evaporation then emits contaminants to the atmosphere through gaseous effluent discharges. Failure to encapsulate fuel will directly impact the ability to meet TPA milestone M-34-00.	7,801	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: SF	Program: Spent Fuels								
Case: T									
4110-0-	KE/KW Essential Systems Upgrade	B1	2	If not funded, the seismic problems identified during an RL surveillance will not be corrected. The security system maintenance problems and costs will continue to increase due to antiquated systems and unavailability of spare parts. Fire protections risks will increase, particularly in the fuel storage basins; where property loss due to a fire would be several million dollars and could be accompanied by release of on-site contamination.	5,056	*		1,639	*
4110-0-	S/RIDS - K Basins	B1	2	Provide documentation of adherence to standard records control.	99	*			
4110-0-	S/RIDS - K Basins	B1	2	Provide documentation of adherence to standard records control.	101				
4110-0-	Water Plant Upgrade	B1	2	Failure to fund this project will result in contined risk of prolonging the life of the current outdated and undersized water supply system. The existing facilities are old and rusting and failure of all or parts for the system is a definite possibility.	2,500			500	
4110-0-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(767)			(119)	
4110-0-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(5,945)			(712)	
					=====			=====	
Sub Total for Case T					59,485			9,489	
					=====			=====	
Sub Total for Case D&T					59,485			63,260	
Case: P									
4110-0-	Applied Technology	A2		Results in limited assessments of available technologies and impacts independent evaluation of dry storage of N Reactor fuels.	2,100				
4110-0-	Engineering and Systems Integration	A2		Establish technical baselines, produce systems, processes,	300			2,100	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: SF Program: Spent Fuels										
Case: P										
4110-0-	Interim Storage Facility Capital	A2		and analyses which enable construction of facilities and physical remediation of spent nuclear fuels and their current facilities for the Hanford site. Would not be able to complete the characterization activities to support the schedule for removal of fuel and sludge from the K basins. This impacts TPA milestone M-33 which requires an agreed upon plan by 1996 for the removal of fuel by 2002. There would also be a delay of engineering necessary to provide consolidated interim storage and disposition of non K basin fuel. The preconceptual engineering studies supporting the FY 1997 Line Item would be delayed resulting in at least a one-year delay in the start of construction.					6,000	
4110-0-	K Area Roof Repair	A2	2	Provide safe roof for operational facilities.		357				
4110-0-	K Basins Program Administration	A2	2	Failure to fund will jeopardize the ability to administrate the increased workscope at K Basins.		300			300	
4110-0-	PNL Support for Fuel Characterization and EIS	A2		Support fuel characterization for the M Reactor and other Hanford fuels for the disposition of the fuel. Also included is support for the EIS preparation. Provide support necessary to meet TPA milestones for Characterization, EIS, and disposition of the fuel.		6,600				
4110-0-	Regulatory and Public Involvement	A2		Funding is needed to provide for the Public Involvement activities and Regulatory and Safety basins for current and future spent fuel disposition alternatives.		1,300				
4110-0-	Spent Nuclear Fuel Projects	A2		This funding is needed to begin urgent upgrades to K Basin water supply, electrical dist., and fire protection system.		1,500				
4110-0-	MKII Repackaging	B1	2	Failure to repackage MKII canisters in K West Basin will result in increasing contamination levels in the basin water. Failure to repackage will directly impact TPA milestone M-34-00.		300			300	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: SF		Program: Spent Fuels								
Case: P										
4110-0-		RCRA Closure/1706KE Waste Treatment System	B1	2	Ensure compliance with RCRA requirements.	106				95
4110-0-		K Area Security Upgrades	B2	2	Ensure compliance with DOE security requirements for SNM.					1,200
4110-0-		K Basins Environmental Compliance modifications	B2	2	Upgrades to provide compliance with environmental monitoring requirements.	389				265
4110-0-		KE/KW Systems Upgrades	B2							45
4110-0-		K Basins Mechanical System Corrective Actions	C1	2	Failure to fund this will result in continued infrastructure and equipment conditions that do not meet DOE Order 6413.1A, Division 15, General Design Criteria-Mechanical.	2,000				2,000
						=====		=====		
Sub Total for Case P						15,252				12,305
						=====		=====		
Sub Total for Case P						15,252				12,305
						=====		=====		
Sub Total Case D,T & P for Spent Fuels						74,737				75,565

* This activity is included on the Productivity Commitment by RL Priority report.
 **This activity is included on the Additional Target by RL Priority report.

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: 111 Program: Tank Farms										
Case: D										
1100- -	Tank Farm Routine Surveillances	A1		Acquires routine surveillance data (tank data, vent systems, LOWs, etc.) in the 200 East/West tank farms. Required for contuned safe storage of underground waste tank in 200 East/West areas. In addition, WAC 173-303 "Dangerous Waste Regulations," requires a monitoring/surveillance for safe storage.				14,600		
1110-0-	Close USQs for Flammable Gas Tanks	A1	1	TPA M-40-09, Safety Initiative 21. Delay closure of SY, AW, and AN farm USQs.				1,617		
1110-0-	Evaluate Alternate Mitigation	A1	1	Current baseline reflects \$1460k in FY95 and \$1777k in FY96. This funding is required for sonic probe efforts. A revised funding level eliminates sonic probe development work and commences with dilution studies. This is required to evaluate alternate mitigation techniques for flammable gas tanks (Dilution). No alternative options to mitigating flammable tanks if unforeseen problems arise with mitigation pumps.				533		
1110-0-	Evaluate and Define Flammable Gas Tanks	A1	1	Vapor, auger, and retained gas sampling; data analysis, and waste behavior data evaluation. Analysis and interpretation of data as it relates to safety issue resolution would be deferred.				3,346		
1110-0-	Evaluate and Define High Heat Tanks	A1	1	Safety Initiative 2x and TPA M-40-05. Process test to reduce drainable liquid to a minimum level in 106-C would not be completed.				475		
1110-0-	Evaluate and Define Misc. Underground Tanks	A1	1	Initiate safety screening and monitoring of misc. tanks. Would defer identification of potential safety issues.				1,444		
1110-0-	Evaluate and Define Tank Vapor	A1	1	Tank headspace vapor characterization is essential to sound Industrial Hygiene vapor monitoring. This data is required to adequately protect Tank Farm workers. Worker safety is first priority for all work performed in the tank farms. This activity allows for sampling of tank vapors for chemical constituents, flammability, and aerosols to deal with resolution of the vapor release problem in and around suspect tanks, and to reduce respiratory protection requirements in				368		

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Prog_Id	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
111		Program: Tank Farms									
		Case: D									
1110-0-		Evaluate and Define Technology Development for Flammable Gas Tanks	A1	1	the tank farms. Potential impacts to worker safety, and completion of TPA milestones M-40-03 to perform vapor characterization for all FeCN tanks, and M-40-08 to perform vapor characterization for all organic tanks by 11/95m would be impacted should funding of this activity be reduced. Synathetic waste studies and modeling of gas generation and retention mechnisms and waste behavior. Add'l characterization and monitoring efforts would be required in lieu of laboratory activiries to provide the basis for USQ closure and safety issue resolution.					4,329	
1110-0-		Evaluate and Define Technology Development for Organic Tanks	A1	1	This activity includes technology and evaluation to define the organic safety issue (organic Watch List criteria and model of waste for each tank to bound its safety).					3,202	
1110-0-		Evaluate and Define for 18 FeCN Tanks	A1	1	Evaluation and definition of the safety hazards associated with FeCN tanks is by conduction evaluations of historical data, performing waste stimulant studies, monitoring data, analyzing tanks waste samples, and conducting waste modeling. This activity includes tank monitoring upgrades and safety and environmental documentaion for installation of monitoring upgrades within the FeCN tanks. Tank monitoring upgrades will provide the required surveillance in association with resolving the FeCN safety issue. Any reduction of funds will impact completion of TPA milestone M-40-02, to upgrade temperature monitoring capabilities in FeCN tanks by April 1995. Failure to provide pressure monitoring of the tanks will impact compliance with the Wyden Bill.					4,939	
1110-0-		Evaluate and Define for Organic Tanks	A1	1	This activity provides for the evaluation and definition of the organic safety issue through waste sampling and analysis. The objective of this activity is to obtain characterization data in order to model the waste for each tank. Impacts may delay organic tank safety issue resolution by 12/97.					1,047	
1110-0-		Fabricate/Install 103-SY Mitigation Pump	A1	1	Current baseline reflects \$3649 in FY95 and \$20692 in FY96. A revised funding level delays mitigation work for tank SY-					11,407	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 101

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: 111 Program: Tank Farms										
Case: D										
1110-0-	Mitigate C-103 Organic Issue	A1	1	103, and would allow minimal efforts for this activity. Tank 241-SY-103 is one of five flammable gas Watch List tanks potentially requiring mitigation. Delayed mitigation, if data analysis indicates that mitigation is required. Delay would increase the risk of a tank detonation.					3,756	
1110-0-	Mitigate Hydroxide Consumption	A1	1	Scope includes the development, testing, installation, and operation of equipment for skimming the floating organic layer from the tank. In addition, it will be necessary to remove the floating organic safety issues, the organic will be pumped and stored in a RCRA compliant storage area and will be treated and disposed. Reductions in funding will result in potential delay in completion of TPA milestone M-40-04, Complete removal of floating organic layer from tank 241-C-103 by 6/95, and Safety Initiative SI-2u, Remove organic layer from tank 241-C-103 by 3/95.					2,225	
1110-0-	Perform Waste Tank Safety Program Management	A1	1	Perform mixing operations of sodium hydroxide (caustic) in 107-AN; design caustic injection and mixing systems for 102-AZ and 102-AN. Tanks would remain out of compliance with the tank farm composition operating specification for hydroxide ion concentration which can potentially cause stress corrosion cracking.					6,665	
1110-0-	Resolve FeCN Safety Issue	A1	1	Provide management of the Waste Tank Safety Program and Safety Issue Resolution; TPA milestone M-40-00. Loss of management and advisory resources would potentially cause delays in mitigating waste tanks, closing USQs and resolving safety issues.					1,545	
				Resolution of the FeCN safety issue is a two-step process that requires that FeCN USQ and then obtaining representative core samples and analytical analyses from each tank for similar groups of tanks to validate the tanks fit into either the safe or conditionally safe categories. This activity includes technical support funding, core sample data interpretation, safety documentation, and other associated						

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)
FY 95

FY95P FY95I

(\$,000)
FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 102

Prog_Id: 111 Program: Tank Farms

Case: D

Ads#	Act	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	FY95P	FY95I	(\$,000) FY 96	FY96P	FY96I
1110-0-		Resolve Internal-Organic Tanks without Treatment	A1	1	tasks to resolve the safety issue. Reduction of funds will impede ability to resolve the FeCN safety issue within the specified timeframe. Logic to resolve the tank waste safety issue is to understand the mechanisms responsible for the potential hazard and to monitor and control waste storage parameters required to ensure compliance with safety criteria. This activie includes tank monitoring upgrades and safety and environmental documentation for installation of monitoring upgrades within the organic tanks. Tank monitoring upgrades will provide the required surveillance in association with resolving the organic safety issue. Any reduction of funds will impact completion of Safety Initiative milestones SI-2t, to install TCs and CTMS by 3/95. Failure to provide pressure monitoring of the tanks will impact compliance with the Wyden Bill.				13,053		
1110-0-		Resolve Safety Issue organic Tanks	A1	1	Develop organic tank safety criteria through integration of all technical activities. Classify waste in 149 single-shell tanks, define monitoring, controls and procedures to ensure tank operations are conducted within compliance of safety criteria. Provide technical justification for recommending resolution of the organic tanks safety issue. Impacts may delay organic tank safety issue resolution by 12/97.				143		
1110-0-		Store and Monitor Flammable Gas Tanks	A1	1	TPA M-40-10, Safety Initiative 2f, 2h. Delay installation of gas monitors on remaining SSTs; delay vapor space monitoring of all flammable gas tanks; delay installation of SY farm exhauster and spark proof fan.				11,653		
1110-0-		Waste Tank Nuclear Criticality	A1	1	DOE-HQ requirement to develop better methods of fissile material measurements in Hanford tanks and maintain tank criticality databases. Inaccurate fissile measurements and criticality databases could result in criticality violations.				1,889		
1110-0-		Waste Tank Safety Quality Assurance	A1	1	Required to provide QA overview of the Waste Tank Safety Program. Loss of quality assurance and oversight functions				1,822		

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 103

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms									
Case: D									
1130- -	Analyze Non-Watch List Tank core samples	A1	1	would erode the validity of all data collected. Analyzes core samples tank from non-watch list tanks. The DNFSB 93-5 commitment requires safety screen of non-watch list tanks by 10/96.				6,553	
1130- -	Analyze Watch List Tank core samples	A1	1	Analyzes core samples tank from watch list tanks. The DNFSB 93-5 commitment requires safety screen of watch list tanks by 10/96.				10,713	
1130- -	Analyze DST and SST Auger/Vapor Samples	A1	1	Analyzes auger and vapor samples. Auger sample analyses are required for completion of safety screening. Vapor analyses are required to support core sampling.				1,595	
1130- -	Auger sample to screen for safety issues	A1	1	This task collects auger samples from tanks. Auger sampling is required to complete safety screening in accordance with DNFSB 93-5.				2,516	
1130- -	Characterization Program Technical Integration and Planning	A1	1	Provides the programmatic planning, systems engineering and QA support for tank waste characterization. Failure to fund these tasks will eliminate the programmatic support to characterization, including preparation of tank waste analysis plans as required by TPA milestone M-44-00.				1,233	
1130- -	Generate Tank Characterization Reports	A1	1	Prepares tank characterization reports based on historical data, past sampling data, and current sampling. Failure to fund these tasks would cancel the documentation of tank sampling and analysis activities. (TPA milestones M-44-08 and M-44-09.)				1,776	
1130- -	Load Characterization data on tanks into database	A1	1	Transfers tank characterization data into the electronic database for routine access. Electronic access to tank data is required by TPA milestones M-44-00 and M-35-00.				780	
1130- -	Screen non-watch list tanks for safety issues	A1	1	This task collects core samples from non-watch list tanks for safety issue screen. Completion of non-watch list tanks safety screen is required by 10/96, in DNFSB 93-5 recommendation.				21,019	
1130- -	Vapor sampling of tanks	A1	1	Collects tank vapor space samples. Vapor sampling is required to collect data for resolution of safety issues and to assure conditions are suitable for rotary core sampling.				2,810	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 104

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: D										
1200-	-	Chg Cont/Funds management	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.					119
1200-	-	Performance Analysis	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.					2,739
1200-	-	Program Baseline	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.					1,656
1200-	-	Program Planning	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.					1,361
1200-	-	Program Status	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.					2,137
1200-	-	RCRA Permit Implementation	A1	6	Capture TWRS requirements and modifications of management sytems in order to implement the terms and conditions of the RCRA permit. TWRS specific activities would not be completed and WHC risks non-compliance with the permit (WAC 173-303).					970
1210-3-		D/C Initial DST WR System Phase I	A1	1	Provide retrieval systems for the first 10 DST to be retrieved. Retrieval will support resolution of tank safety issues (first designated tank as 101-SY) provide tank waste feed for ultimate disposal and open tank space to facilitate					19,500

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)
FY 95

FY95P FY95I

(\$,000)
FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 105

Prog_Id: 111 Program: Tank Farms

Case: D

Prog_Id	Case	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96
1210-4-		D/C Sluicing WR Demo C-106	A1	1	SST waste transfer (TPA). Unresolved safety issue; delays to SST retrieval and TPA milestones. Provide a water sluicing based retrieval system to remove the high-heat generating sludge from Tank C-106 to resolve the associated tank safety issue. Unresolved safety issue; missed TPA milestone M-45-03A.		11,900
1100-	-	242-A Evaporator Engineering	A2	4	Supports 242-A evaporator operations. Engineering support required for evaporator operations and maintenance.		4,200
1100-	-	242-A Evaporator Maintenance	A2	4	Supports 242-A evaporator operations. Required by WAC 173-303, Dangerous Waste Regulations. Need for operational compliance.		4,200
1100-	-	242-A Evaporator Operations	A2	4	Required for waste volume reduction. Not operating will impact tank farms ability to accept waste transfers. Will need add'l DSTs to be built.		9,100
1100-	-	CASS/TMACS/SACS Data Base Management	A2		Data base for TF surveillance activities. Required TF base safe operations and regulatory compliance.		1,200
1100-	-	Criticality Safety Engineering	A2	1	Upgrades criticality safety evaluations and fissile material inventories for safe storage and transfers. Without a criticality safety program no transfers to tanks can be performed. Upgrades recommended by DOE-HQ.		300
1100-	-	DNFSB 90-2, Codes and Standards	A2		Implementation required by DNFSB 90-2. DOE-HQ and DNFSB requirement.		1,600
1100-	-	DST Integrity Assessment Program	A2		DST Integrity Assessments regulatory required. WAC 173-303-640, Tank Systems requirement. We are currently out of compliance.		2,800
1100-	-	DST Pumping Capabilities	A2	1	DST emergency pumping program development including equipment, procedures, and training. WAC 173-303 requires emergency pumping corrective actions to commence with 24 hours of discovering a tank leaker.		500
1100-	-	DST/242-A Part B Permits	A2		Responds to the State's expected Notice of Deficiencies comments and addresses issues/concerns relating to permitting. A final facility permit is required by the Tri-Party Agreement and WAC 173-303-800, "Permit Requirements for		1,100

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 106

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms									
Case: D									
1100- -	Environmental Compliance	A2		Dangerous Waste Management Facilities." Required for continued tank farm operations. Funding required for maintaining environmental compliance with regulatory requirements.				5,000	
1100- -	LOW Vans and Gamma Leak Detection	A2		Performs vadose zone characterization and surveillances in and around tank farms. Leak detection and plume analysis are regulatory requirements under WAC 173-303.				900	
1100- -	Nuclear Safety Oversight	A2	1	Waste Tank Nuclear Safety assess the overall safety of each facility providing the independent review responsibility. Independent Nuclear Safety Oversight is required by DOE Order 5480.5, "Safety of Nuclear Facilities" and WHC MRP 5.23, "Nuclear Facility Safety."				1,100	
1100- -	OSR Implementation	A2	1	Supports required upgrades (procedures and hardware) needed to fully implement the DST/SST/ANF interim OSRs. Supports continued safe operations in Tank Farms and allows Tank Farms to dully implent the interim OSRs.				6,600	
1100- -	Planning and Administration	A2	3	Provides occurance reporting, admin support, and the Tank Farms integrated planning function. DOE Order requirements and efficient planning and operation.				2,700	
1100- -	Program Element and Baseline Management	A2	3	Provides programmatic direction and program management support to the N1 program element. Baseline management and planning is required to support continued tank farm safe operations.				2,200	
1100- -	Rad/Haz Solid Waste Disposal	A2	1	Characterizes, packages, and disposes of newly generated radioactive/hazardous solid waste in tank farms. Solid waste characterization and segregation is required by WAC 173-303, "Dangerous Waste Regulations."				7,500	
1100- -	SST Emergency Pumping	A2	1	Completes SST T-111 emergency corrective actions and responds to identified SST leaker. Emergency pumping of an identified SST leaker is required to minimize exposure to the environment. In addition, WAC 173-303 requires the prevention of migration of dangerous waste or dangerous constituents to ground water or surface water, if possible.				300	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 107

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: 111 Program: Tank Farms										
Case: D										
1100- -	SST Emergency Pumping Preparations	A2	1	Maintains the emergency pumping capability of SST (i.e., SST Emergency pumping trailer, training, procedures, overground transfers capability, etc.), Emergency pumping of an identified SST leaker is required to minimize exposure to the environment. In addition, WAC 173-303 requires the prevention of migration of dangerous waste or dangerous constituents to ground water or surface water, if possible.					1,200	
1100- -	SST Interim Stabilization	A2	4	SST pumping for stabilization including preparations for pumping. Includes required operations/maintenance/engineering activities, and KEH farm preparations. Tri-Party Agreement milestone M-41-0, "Complete Single-Shell Tank Interim Stabilization."					5,600	
1100- -	SST Intrusion Prevention	A2	4	SST intrusion prevention is required to prevent liquids from re-entering the tank following stabilization. Tri-Party Agreement milestone M-41-0, "Complete Single Shell Tank Interim Stabilization."					1,000	
1100- -	SST Stabilization Field Support	A2	4	SST pumping for stabilization including preparations for pumping. Field support includes crane and rigging, HPTs, QA/QC, management, etc. Tri-Party Agreement milestone M-41-0, "Complete Single Shell Tank Interim Stabilization."					5,900	
1100- -	Safety Documentaion Upgrades	A2	1	Safety documentation upgrades continue withy DST FSAR/TSRs preparations, revision of DST/AWF/SST interim OSRs and 242-A FSAR update. Upgrade Tank Farms safety documentation to meet requirements of DOE Order 5480.21/22/23. Needed for upgrading the Tank Farms safety envelope.					5,600	
1100- -	Tank Farm Assessments (Utilities and Services)	A2		Utilities and Services for Tank Farm surveillance/operations. Funding of electricity, steam/water, laundry, and solid waste burials is base safe operations.					11,700	
1100- -	Tank Farm Facility Operations	A2	4	Performs facility operations in 200 East/West areas. This includes routing/transfer of low-level waste, sampling, farm control, etc.					20,600	
1100- -	Tank Farm Industrial Hygiene and Safety	A2	2	Performs industrial hygiene monitoring and analysis of tank farms and personnel for a safe working environment.					4,300	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 108

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: D										
1100-	-	Tank Farm Plant Cognizant Engineering	A2	1	Regulatory requirement 29 CFR 1910-120, "Hazardous Waste Operations and Emergency Response," and OSHA required for worker protection. Performs the System and Process engineering functions in tank farms required for continued safe operations. Engineering support is required for safe operations and maintenance activities in tank farms.					7,300
1100-	-	Tank Farm Plant Operating Procedures	A2	2	Maintains tank farm operational and administrative procedures. DOE Order 5480.19 requires review and/or revision of procedures every two years. A total of 524 procedures, 22 operator round sheets, 14 OSDs, and 14 OSRs will need to be reviewed and/or revised.					2,500
1100-	-	Tank Farm Training	A2	2	Tank Farm training supports base safe operations. includes operator and maintenance training program. Personnel training and qualification is required by WAC 173-303-330, "Personnel Training," which states the facility owner or operation shall provide a program of classroom instruction or on-the-job training for facility personnel. In addition, DOE Order 5480.20 mandates a formal training program.					6,600
1100-	-	Tank Farms Coorrective/Preventive Maintenance	A2	1	Performs corrective/preventive maintenance to maintain a safe operating configuration in tank farms. Maintenance is required for base safe operations and is a regulatory requirement.					24,300
1120-0-		Configuration Management	A2	1	System P&IDs, Component Labeling, and Master Equipment List (MEL) for all tank farms. Implement CM plan. Implement Design Base Document Reconstitution program.					1,500
1120-0-		DST Qualification Life Extension	A2	4	TPA M-32. Provide the strategy to manage the Hanford waste tank system facilities and establish the service life of the facility systems, structures, and components. Service life of existing DSTs will expire without justification to continue use. Actual service life will not be managed and maximized.					1,100
1120-0-		Field Verify Essential Drawings	A2	1	Safety Initiative # 4c42. CAD covert, field verify and					2,100

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority

RL Grmbly

Justification

(\$,000)

FY 95

FY95P FY95I

(\$,000)

FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Prog_Id: 111 Program: Tank Farms

Case: D

Prog_Id	Case	Workscope Desc	Priority	RL	Grmbly	Justification	FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
						release all remaining essential and support drawings for tank farms. Continue without field verified drawings. Safety impact with drawings not verified to actual field configuration. Drawings unreliable for planning and operations.						
1120-0-		Resolve Site Electrical Assessment (Safety) Issues	A2		1	Correct remaining identified Site Electrical Assessment code deficiencies and future discovered deficiencies. DOE Order 6430.1A, General Design Criteria. Work with known electrical deficiencies. Provide the evaluations of power distribution system at the Tank Farms required for compliance with DOE order 6430.1A.				2,100		
1120-0-		Systems Engineering	A2		3	DOE Order 4700.1, DNFSB Recommendation 92-4, Grumbly Safety Initiative. System Engineering Requirements/Trade studies would be delayed or not met.				200		
1120-0-		Technical Integration and Planning	A2		3	Provide programmatic technical integration, planning, reporting, control, and management. Resources would be inadequate to effectively manage and direct the Upgrades Program activities.				2,000		
1120-6-		W-314A Integrated Instrumentation Upgrade	A2		1	Full scope upgrade of the instrumentation system, the supervisory control and data acquisition system for 177 tanks in tank farms. Delay of evaluation of current instrumentation and related equipment and integration with ongoing near-term upgrades and projects. High maintenance of inadequate and unreliable instrumentation. Higher operating costs and inefficiencies without centralized control.				19,800		
1120-6-		W-314B DST Ventilation Upgrade	A2		1	Upgrade ventilation system of 28 DSTs to ensure that radionuclide and hazardous content of the exhaust vapors do not exceed regulatory limits. Delay in the evaluation of the condition of all DST primary and annulus ventilation systems and replacement/upgrade as required in support of the TPA. High maintenance and continued regulatory non-compliance.				3,000		
1120-6-		W-314D Electrical System Upgrades	A2		1	Upgrade power distribution system beyond the incoming switchgear. Delay in upgrade of power distribution system in				2,100		

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Prog Id	Case	Sub	Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
					RL	Grmbly		FY 95	FY95P	FY95I	FY 96
111											
Program: Tank Farms											
Case: D											
							support of TPA. Outdated motor control centers, power cables, and junction boxes will continue to be used and maintained with electrical safety risk.				
1130-	-			Develop Analytical Procedures	A2		Provides new laboratory procedures for Hanford laboratories. Individual new capabilities are based on DQO requirements.				1,976
1130-	-			Develop Hot Cell Analytical Instrumentation	A2		Provides new laboratory methods (hardware and software). Individual new capabilities are based on DQO requirements.				7,643
1130-	-			Develop In-situ Characterization Methods	A2		Provides capabilities for in-tank measurements. Individual new capabilities are based on DQO requirements. This task includes DNFSB 93-04 commitment 3.13.				4,100
1130-	-			Improve Field Sampling Methods	A2		Expands field sampling capabilities and improves recoverability of sample. Individual new capabilities are based on DQO requirements. This task includes DNFSB 93-05 commitment 3.16.				4,000
1130-	-			Integration/Transfer Technology to Labs	A2		Identifies technology development needs and transfers new capabilities to routine use. Individual new capabilities are based on DQO requirements.				3,200
1130-	-			Maintain 222-S lab readiness	A2	4	Maintains the lab support facilities and personnel to be ready to analyze TWRS tank samples. Failure to fund this task will impede the ability to provide basic lab analysis for TWRS.				5,631
1130-	-			Upgrade 222-S and 325 Labs	A2	4	This task improves lab capabilities to meet TWRS needs. Hotcell upgrades are needed to meet characterization requirements.				3,977
1210-0-				Program Definition, Planning, and Integration	A2	3	Provide program management, integration, baseline planning, budgeting and controls for retrieval technology, engineering, projects, and operations. Provides functional and technical requirements for the program. Provides for program interface, including regulators and stakeholders.				2,200
1100-	-			Issues/Corrective Action Management	B1	2	Facilitates corrective action management for TWRS on existing and emerging safety, environmental protection, and conduct of operations conditions. Required in order to perform risk evaluations, root cause analysis, performance evaluations,				1,800

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 111

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms									
Case: D									
1100-	QA/QC	B1	1	and issue closures. Provides environmental safety, health, and quality assurance support to routine tank farm operations and maintenance activities. DOE Order 5480.1B requirement which establishes the environmental protection, safety, and health programs (ES&H) requires quality assurance and control functions.				2,000	
1100-	Tank Farm Security	B1	1	Administers physical and industrial security measures supporting the Tank Farm complexes. Security requirements per DOE-N-30.3A. In addition, WAC 173-303-310, "Security," requires control access and monitoring.				400	
1120-2-	W-030 AY/AZ Primary Ventilation	B1	1	Replace primary ventilation system for AY/AZ tank farms in compliance with TPA milestone M-34-01. Operate systems and components which have exceeded their design life. Failure to comply with congressionally directed DOE plan to discontinue disposal of contaminated liquids to soil column (processing cooling water).				1,500	
1120-4-	W-058 Cross Site Transfer System	B1	1	Provide encased pipelines to connect the SY Tank Farm, 200 W, to the 200 E tank farms in compliance with current codes and regulations. Operate existing system which does not conform to all current regulatory requirements and has a questionable life.				18,300	
1120-6-	W-314C Waste Transfer Lines	B1	1	Upgrade inter-area waste transfer system to ensure compliance with RCRA and WAC leak detection requirements. Delay in completion of compliant transfer lines and integration with the future cross-site transfer system.				1,800	
1120-7-	W-028 Aging Waste Transfer Line	B1	4	Required to provide a reliable long-term high heat liquid waste transfer system from B Plant to treatment facilities. The existing waste transfer system is not in compliance with 40 CFR 264 and current DOE orders. Continued use of the present system could result in potential safety and health hazards during pretreatment and removal of B Plant waste.				600	
1130-	Analyze Supernate Sample (DST Part B Permit)	B1	4	This task analyzes DST supernate samples. Supernate analysis are required for the RCRA part B permit approval.				4,301	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 112

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: 111 Program: Tank Farms									
Case: D									
1130- -	Analyze Supernate Sample for SST Stabilization and 242-A Evaporator Operation	B1	4	This task analyzes supernate samples. Supernate analysis are required to support 242-A evaporator operation and SST stabilization.				2,300	
1130- -	Sample supernate to support RCRA and process DST requirements	B1	4	Collects samples of double-shell tank supernate. The hazardous waste permit specifies sampling requirements. Add'l samples are required to support 242-A evaporator operations.				2,341	
1200- -	Business management	B1	3	Prepare TWRS Master Site Plan based on known conformation or best assumptions from individual projects. Provide minimum business management for all TWRS projects. Increased cost in TWRS projects due to duplication and mismatches and non-compliance with DOE 4700.1.				1,786	
1200- -	Compliance Coordination	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.				301	
1200- -	Define Compliance Requirements	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.				160	
1200- -	Establish Requirements Envelope	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.				510	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 113

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms									
Case: D									
1200- -	Mapping and Marking	B1	6	Mapping of underground lines carrying dangerous waste is required by the Dangerous Waste Permit. Lines outside of Tank Farms will not be marked placing WHC in violation of Permit and subject to fines.				852	
1200- -	Program Management and Support	B1	5	Essential program management of TD and overall integration of technology needs; supports, TDPO to manage the TWRS integrated technology planning and technology groups in TWRS functional areas. Without coordination and planning, technology development will increase in cost and fail to meet the needs of the TWRS program. Lack of commercial and academic sources built subject the program to further criticism for lack of participation.				3,345	
1200- -	Program Planning	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.				6,158	
1200- -	Self Assessment Program	B1	5	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the environmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.				327	
1200- -	Site Integration	B1	3	Prepare TWRS Master Site Plan based on known conformation or best assumptions from individual projects. Provide minimum business management for all TWRS projects. Increased cost in TWRS projects due to duplication and mismatches and non-compliance with DOE 4700.1.				1,033	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: D										
1200-	-	System Engineering Tools	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.					457
1200-	-	Systems Engineering Management Plan	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.					552
1200-	-	Systems Engineering Management Plan	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.					489
1200-	-	TWRS EIS	B1		The ROD is required to start design for pretreatment, LLW, and HLW facilities. Delaying preparation will cause delays in initiating design of the 3 plants (TPA milestones) and related follow-on milestones.					5,266
1200-	-	Technology Development and Program Office	B1	5	Essential program management of TD and overall integration of technology needs; supports, TDPO to manage the TWRS					2,554

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)
FY 95

FY95P FY95I

(\$,000)
FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 115

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Prog'Id: 111 Program: Tank Farms

Case: D

Prog'Id	Case	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	FY95P	FY95I	(\$,000) FY 96	FY96P	FY96I
1200-	-	Test/Evaluation Management	B1	5	integrated technology planning and technology groups in TWRS functional areas. Without coordination and planning, technology development will increase in cost and fail to meet the needs of the TWRS program. Lack of commercial and academic sources built subject the program to further criticism for lack of participation.				95		
1200-	-	Total Quality Management	B1	2	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.				652		
1210-0-		Define Arm-Based SST WR Project	B1	3	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the environmentla envelop and contuned support of programatic documents. Continued fragmented and inerrective compliance with requirement which will result in fines and other non-compliance actions.				1,800	*	
1210-0-		Prepare Closure Reg. Requirements Assessment	B1	6	Define and establish the first arm based retrieval project engineering trade studies necessary to bound project scope, establish functional requirements, complete the engineering study and project documentation necessary to obtain key decision 0. If not funded, may delay TPA milestone M-45-03.				800	*	
1220-	-	Conduct System Engineering and Trade Studies (Part III)	B1	4	Prepare analysis of federal and state regulation to identify issues relating to closure of SSTs. Update SST closure work plan. Delays TPA milestone M-45-06.				1,837		
					Needed to provide a final design description with sufficient detail to provide a firm technical basis for follow-on design activities. Delays start of design activities for LLW						

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority

RL Grmbly

Justification

(\$,000)

FY 95

FY95P

FY95I

(\$,000)

FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 116

Prog_Id: 111 Program: Tank Farms

Case: D

Prog_Id	Case	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY95P	(\$,000) FY95I	(\$,000) FY 96	(\$,000) FY96P	(\$,000) FY96I
1220-	-	Define F&R for HLW Pretreatment Facility	B1	4	and HLW pretreatment facilities, as well as enhanced sludge washing. Needed to support waste treatment prior to processing LLW pretreatment facility. Adversely impacts TPA milestone M-50-01T01 in FY95 and potentially delays LLW processing; ineffective cesium removal also increases the need for shielding in the LLW vitrification plant.				3,100		
1220-	-	Define F&R for HLW pretreatment facility	B1	4	Needed to provide engineering support during the conceptual and advanced conceptual phases of HLW pretreatment facility(ies) design. Lack of function and requirements would delay the initiation of design activities.				441		
1220-	-	Define F&R for LLW Pretreatment Facility (Part III)	B1	4	To provide FDC documents necessary to initiate projects. Function and Requirements would not be available for the initiation of design activities.				617		
1220-	-	Develop Flowsheets and Applied Tech. Evaluation (B)	B1	4	Needed to support effort to determine whether advanced sludge separation processes are required, M-50-03. Jeopardizes completion of TPA milestone and delays or creates great uncertainty for the LLW/HLW pretreatment plants and possibly LLW/HLW vitrification plants.				1,834		
1220-	-	Perform Technical Integration and Planning	B1	3	Provide program oversight and integrate pretreatment activity requirements. Planning and program element management would not be performed.				2,984		
1220-	-	Prepare Advanced Conceptual Design (ACDR)-LLW	B1	4	Needed to support Title I design. Delay of Title design and M-50-01-T02.				3,000		
1220-	-	Prepare Title 1 - LLW Mod 1	B1	4	Definitive design must be completed prior to start of construction. Delay start of construction impacts TPA milestone M-50-01.				11,421		
1230-	-	Disposal Systems	B1	4	Technology studies to support disposal systems engineering studies and designs. provide technical input to PA. This work is necessary to eliminate the conservatism in the PA and better reflect the longterm performance. Determination of the best disposal system for LLW glass will be delayed which will impact the PA and design/construction of disposal				1,200		

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: 111 Program: Tank Farms										
Case: D										
1230-	Grout Facilities	B1	1	facilities. This will impact ORR since disposal systems will not be available. Compliance with TPA milestones to maintain facilities in standby. The withdrawal of funding for the Grout Facilities would violate stated and federal requirements for an operational facility. From a regulatory perspective, Grout is an operational (albeit standby) facility as stated in the TPA. Minimum regulatory requirements for an operational facility include periodic inspections, personnel training, reporting, and recordkeeping.					700	
1230-	Integrated Process Systems	B1	5	Performance of technology assessment of all unit operations associated with the LLW vitrification facility. The primary focus will be on melter support systems (off-gas, feed systems, product handling, recycle systems, etc.). Delaying integrated process systems will delay the design of vitrification system. This includes items such as off-gas, feed handling, and glass handling systems. Delay to TPA milestones.					1,800	
1230-	Matl. Properties Handbook Database	B1	5	Establish database for LLW to include formulation, simulant, glass types, leach rates, glass quality, and etc. Publish glass properties handbook with pertinent data. Impact would be delay issuing handbook and having a database for project participants to work from using same basis. This means a mismatch between design, PA, permitting.					100	
1230-	Melter Technology Selection	B1	5	Evaluate the ability of different melter technologies to vitrify low-level waste. Activity will span FY 94 thru FY96. Develop melter technology selection criteria, perform melter testing of multiple technologies with outside vendors and select the optimum melter technology for the vitrification of LLW. Will not meet the TPA milestones for melter testing and selection of a melter system. This impacts the selection of 1996 of vitrification which impacts start of design construction, permitting. The impact would be a day-and-one-					3,600	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 118

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: 111 Program: Tank Farms									
Case: D									
1230- -	Misc. Technology Studies	B1	5	half-day-for-day delay. Development of handling techniques for vitrified product, waste form placement and etc. Where an engineering solution is not apparent, development of new technology will be developed. Impact would not allow looking at and evaluating privatization proposals, evaluations of activities by other sites ro DOE that could be used by LLW. Impact would be an increased risk that items mentioned would not be resolved in a timely manner.				1,000	
1230- -	NEPA Documentation	B1	4	Support preparation of the data packages going to TWRS EIS contractor. Completion of the data packages is necessary for the EIS contractor to complete the EIS and calculate impacts of the TWRS program to the public. The EIS is on the critical path for the LLW program. Lack of funding for those critical path activity will have negative schedule impact upon the LLW disposal program essentially day for day.				300	
1230- -	Non-Vitrifiable LLW Systems	B1	4	Results in the information required to generate the basis for stabilization, treatment, and disposal of these non-vitrifiable products. Impact delays identification of technologies to handle waste streams that will not be captured in the LLW glass. Such as off-gas HEPA filters.				2,100	
1230- -	Packaging Materials and Characterization	B1	4	Ensure that vitrified LLW and waste packaging materials are compatible and all LLW PA requiremnts are met. Develop glass quality requiremntns. Impacts to funding would delay construction and design of disposal/storage facility by 3-5 years if we do not determine up front the proper type of matrix materials, characteristics of glass and matrix material to meet long term disposal. Will impact approval of PA.				1,900	
1230- -	Perform engineering studies, Select baseline	B1	4	This activity evaluates potential sites for locating the process and storage/disposal facilities for LLW vitrification in the 200 Areas. Site selection is required to initiate the project. Lack of FY95 and FY96 would prevent issuance of the				700	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority
RL Grmby

Justification

(\$,000)
FY 95

FY95P FY95I

(\$,000)
FY 96

FY96P FY96I

Prog_Id: 111 Program: Tank Farms

Case: D

Prog_Id	Program	Workscope Desc	Priority RL	Grmby	Justification	(\$,000) FY 95	FY95P	FY95I	(\$,000) FY 96	FY96P	FY96I
1230-	Permitting		B1	4	Development of Part A, initiate Part B, and other related and required permits supporting design and construction activities. Programmatic technical risk and delays to construction TPA milestone.				400		
1230-	Pilot scale vitrification		B1	5	Design and fabricate LLW pilot scale vitrification system which is capable to being fed radioactive material. This system will be utilized in glass formulation verification. The pilot plant will be designed with the capability to process radioactive waste should the A/E deem that necessary. Impacts of funding cuts in FY 95 and FY 96 would delay design and construction of facility based on strategy of having the AE/contractor build a pilot plant if necessary. Pilot plants are thought to be critical to the success of the facility.				2,100		
1230-	Prepare Process Flowsheets		B1	4	Prepares LLW process flowsheets. This activity includes material balances, process description, assumptions, and rationales. This activity provides the technical basis for facility equipment, interfaces (utilities, process pipelines, etc.) and sizing. Failure to fund this activity in FY 95 and FY 96 would increase costs to the A/E in design, where this activity would need to be done. Lack of flowsheets would also increase risk of properly managed TWRS interfaces.				100		
1230-	Product Quality Acceptance		B1	5	This will define vitrification product quality criteria. This would delay how we monitor the waste form and disposal system, delaying the Part B permit.				1,200		
1230-	Safety Documentation		B1	4	Prepare Hazard Classifications for the preconceptual design activities in FY 95 and FY96. Lack of funding will place the program at technical risk for the future levels of design, validation, and safety implementation required of the program for startup.				100		
1230-	Simulant Development		B1	5	Definition of LLW vitrification feed specs. Develop and				500		

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 120

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: 111 Program: Tank Farms									
Case: D									
1230- -	Vitrification oversight/planning	B1	3	procure simulant for melter technology testing. The simulant development directly supports melter testing and delaying simulant delays testing of melters. Minimum of a day-for-day delay.				300	
1280- -	Construct 6 New Tanks	B1	1					110,000	
1100- -	Purchase HLLW Cask and Pumping System	B2	1	Required for SST emergency puming in the event of a leaker. Tri-Party Agreement milestone M-41-03B, "Delivery of the mobile high-level waste transport cask."				1,700	
1120-0-	Engineered Tank Farm Hardware	B2	4	Develop transfer pumps for tank farm wastes. Develop design guide for equipment to be installed in tanks. Higher fiscal and environmental costs associated with equipment which does not consider life cycle costs in their design.				1,300	
1120-0-	Liquid Level Gauges	B2	4	Installation of new liquid level gauges on all DST and SST with surface liquid. Continue operation of unreliable high maintenance system.				1,700	
1120-0-	Long Length Contaminated Equipment Disposal	B2	4	Develop protocol and hardware for the disposal process. Failing to implement such a strategy has an estimated cost impact of over \$1 Billion.				2,200	
1230- -	Program Management	B2	3	Providing overall management and guidance of the program. Preparation and submittal to customer of business plans (FYWP, MYPP, ADS). Support to public involvement and systems engineering process. Path to success for HLW. Should this activity be reduced or cut, the thread of the program would be lost. This is a major part of the success of LLW. Would impact TPA milestone.				2,800	
1120-0-	Control Room Upgrades	C2	4	Upgrade the control room instrumentation and electrical systems to replace equipment not in compliance with current				900	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority
RL Grmbly

Justification

(\$,000)
FY 95

FY95P

FY95I

(\$,000)
FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 121

Prog_Id: 111 Program: Tank Farms

Case: D

Prog_Id	Case	Workscope Desc	Priority	Grmbly	Justification	FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
					standards and regulations. Non-compliance with standards and regulations.						
1120-0-		Electrical and I&C GPP Definition	C2	4	Identify General Plant Projects required to support electrical and I&C upgrades. Necessary instrumentation and electrical upgrade General Plant Projects will remain undefined and unworked.				600		
1120-0-		TMACS All Remaining Tanks	C2	4	Completion of the installation of new thermocouples and continuous temperature monitoring systems in all tanks. Operators continue periodic rounds to take thermocouple readings as opposed to remote/continuous/automated temperature monitoring.				900		
1120-0-		Upgrade Operating Procedures	C2	4	Upgrade of the operating procedures to support operations and maintenance activities. Operating procedure will not be in compliance with current standards and regulations.				700		
1130-	-	Operate offsite Characterization Lab to support THRS/Analyze	D1	4	Provides containers for sending samples offsite. Offsite labs are required to meet schedule commitments.				9,800		
1130-	-	Screen Non-Watch List tanks for safety issues	D1		This task is add'l core sampling. Add'l capacity is needed to meet DNFSB 93-08 schedule commitments.				1,000		
1200-	-	Acquisition management	D1	4	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.				69		
1200-	-	Business Management/Integration	D1	3	Provide appropriate business management control of THRS projects. Poorly managed projects and non-compliance with DOE 4700.1.				1,065		
1200-	-	Business management	D1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.				121		
1200-	-	Clerical Support	D1	3	Provides for GSS Contractor, cleriqal support, and support to				388		

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: 111 Program: Tank Farms											
Case: D											
1200-	-	Communications and Building Management	D1	3	other DOE laboratories. Division level communications, administration, employee recognition, and building administration. Significant reduction in morale of TWRS employees.					1,158	
1200-	-	DOE Lab Support	D1	3	Provides for GSS Contractor, clerical support, and support to other DOE laboratories.					799	
1200-	-	Employee Concerns/Suggestions	D1	4	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.					140	
1200-	-	General Supply Service Contractor	D1	3	Provides for GSS Contractor, clerical support, and support to other DOE laboratories.					4,616	
1200-	-	Information Resources Management	D1	4	Establish and maintain a TWRS centralized information resources management system, including computer databases, document control, and record management. The element includes development of appropriate software and acquisition of hardware to support the program. Continued decentralized, mixed, and contradicting data, which will affect two TPA milestones and put program out of compliance with Program Management Plan and Annexes.					2,237	
1200-	-	Program Management	D1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.					214	
1200-	-	Program Management and Support	D1	5	Increase staff and contract help to expand technology vase in support of privatization, systems engineering, ad dedicated end function program management. Overall reduction in technology support would increase risks of not having					1,172	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: D										
1200-	-	Program Planning	D1	3	alternative technologies to support program. Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.					1,711
1200-	-	Public Involvement Execution	D1	6	Provides limited planning for mandatory program level public involvement and building administration. Failure to plan or have quality public involvement will destroy credibility.					50
1200-	-	Public Involvement Management	D1	6	Provides limited planning for mandatory program level public involvement and building administration. Failure to plan or have quality public involvement will destroy credibility.					124
1200-	-	Re-engineering and Production	D1	4	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan, and individual Qualification and Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.					687
1200-	-	Readiness Review Management	D1	4	Manages the formal ORR program for all TWRS activities. Greatly increases risk of approving startup/restart of facilities and forces non-compliance with DOE 5480.31 which requires independent ORR. Can affect future mixer pump installation and numerous TF upgrades in FY95.					291
1200-	-	Systems Engineering Management Plan	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.					53
1200-	-	Systems Engineering Tools	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program.					1,065

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ad#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: 111 Program: Tank Farms											
Case: D											
1200-	-	Training and Qualification	D1	4	Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB. Continue prosectuion of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.					276	
1100-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.					(6,545)	
1100-	-	Productivity Commitment	F1		Productivity Commitment identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.					(33,377)	
						=====		=====			
Sub Total for Case D							0			609,689	
Case: T											
1100-	-	Tank Farm Routine Surveillances	A1		Acquires routine surveillance data (tank data, vent systems, LOWs, etc.) in the 200 East/West tank farms. Required for contuned safe storage of underground waste tank in 200 East/West areas. In addition, WAC 173-303 "Dangerous Waste Regulations," requires a monitoring/surveillance for safe storage.		14,100				
1110-0-		Close USQs for Flammable Gas Tanks	A1	1	TPA M-40-09, Safety Initiative 21. Delay closure of SY, AW, and AN farm USQs.		1,786				
1110-0-		Design/Test/Install SY-101 Mitigation Pump	A1	1	The Mitigation test pump currently installed in Tank 241-SY-101 is a temporary pump with a limited lifecycle. A replacement pump will be required if and when it fails. No replacement pump available to mitigate tank. Tank will return to episodic hydrogen gas releases that can exceed flammable limits.		21,393			3,870	
1110-0-		Evaluate Alternate Mitigation	A1	1	Current baseline reflects \$1460k in FY95 and \$1777k in FY96.		518				

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 125

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: 111 Program: Tank Farms									
Case: T									
1110-0-	Evaluate and Define Flammable Gas Tanks	A1	1	This funding is required for sonic probe efforts. A revised funding level eliminates sonic probe development work and commences with dilution studies. This is required to evaluate alternate mitigation techniques for flammable gas tanks (Dilution). No alternative options to mitigating flammable tanks if unforeseen problems arise with mitigation pumps.	3,581				
1110-0-	Evaluate and Define High Heat Tanks	A1	1	Vapor, auger, and retained gas sampling; data analysis, and waste behavior data evaluation. Analysis and interpretation of data as it relates to safety issue resolution would be deferred.	988				
1110-0-	Evaluate and Define Misc. Underground Tanks	A1	1	Safety Initiative 2x and TPA M-40-05. Process test to reduce drainable liquid to a minimum level in 106-C would not be completed.	1,043				
1110-0-	Evaluate and Define Tank Vapor	A1	1	Initiate safety screening and monitoring of misc. tanks. Would defer identification of potential safety issues.	2,679				
1110-0-	Evaluate and Define Technology Development for 18 FeCN Tanks	A1	1	Tank headspace vapor characterization is essential to sound Industrial Hygiene vapor monitoring. This data is required to adequately protect Tank Farm workers. Worker safety is first priority for all work performed in the tank farms. This activity allows for sampling of tank vapors for chemical constituents, flammability, and aerosols to deal with resolution of the vapor release problem in and around suspect tanks, and to reduce respiratory protection requirements in the tank farms. Potential impacts to worker safety, and completion of TPA milestones M-40-03 to perform vapor characterization for all FeCN tanks, and M-40-08 to perform vapor characterization for all organic tanks by 11/95m would be impacted should funding of this activity be reduced.	3,533				

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 126

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: 111 Program: Tank Farms										
Case: T										
1110-0-	Evaluate and Define Technology Development for Flammable Gas Tanks	A1	1	the use of historical data, waste stimulant studies, chemical reaction studies, measurement of physical properties, and other special studies. Reduction of funds will impede ability to resolve the FeCN safety issue within the specified timecard.	4,266					
1110-0-	Evaluate and Define Technology Development for Organic Tanks	A1	1	Synathetic waste studies and modeling of gas generation and retention mechanisms and waste behavior. Add'l characterization and monitoring efforts would be required in lieu of laboratory activiries to provide the basis for USQ closure and safety issue resolution.	2,338					
1110-0-	Evaluate and Define Technology Development for Tank Vapor	A1	1	This activity includes technology and evaluation to define the organic safety issue (organic Watch List criteria and model of waste for each tank to bound its safety).	1,230					
1110-0-	Evaluate and Define for 18 FeCN Tanks	A1	1	Tank headspace vapor characterization is essential to sound industrial hygiene vapor monitoring. This data is required to adequately protect tank farm works. This activity allows for the lab work and characterization of tank vapors for chemical consistencies, flammability, and aerosols. Potential impacts to work safety and completion of TPA milestones M-40-03 and M-40-08.	5,434					
				Evaluation and definition of the safety hazards associated with FeCN tanks is by conduction evaluations of historical data, performing waste stimulant studies, monitoring data, analyzing tanks waste samples, and conducting waste modeling. This activity includes tank monitoring upgrades and safety and environmental documentaion for installation of monitoring upgrades within the FeCN tanks. Tank monitoring upgrades will provide the required surveillance in association with resolving the FeCN safety issue. Any reduction of funds will impact completion of TPA milestone M-40-02, to upgrade temperature monitoring capabilities in FeCN tanks by April 1995. Failure to provide pressure monitoring of the tanks will impact compliance with the Wyden Bill.						

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

Ads# Act

Workscope Desc

Priority

RL Grmbly

Justification

(\$,000)

FY 95

FY95P FY95I

(\$,000)

FY 96

FY96P FY96I

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Page 127

Prog_Id: 111 Program: Tank Farms

Case: T

Prog_Id	Case	Workscope Desc	Priority	RL	Grmbly	Justification	(\$,000)	(\$,000)		
							FY 95	FY95P FY95I	FY 96	FY96P FY96I
1110-0-		Evaluate and Define for Organic Tanks	A1		1	This activity provides for the evaluation and definition of the organic safety issue through waste sampling and analysis. The objective of this activity is to obtain characterization data in order to model the waste for each tank. Impacts may delay organic tank safety issue resolution by 12/97.	709			
1110-0-		Fabricate/Install 103-SY Mitigation Pump	A1		1	Current baseline reflects \$3649 in FY95 and \$20692 in FY96. A revised funding level delays mitigation work for tank SY-103, and would allow minimal efforts for this activity. Tank 241-SY-103 is one of five flammable gas Watch List tanks potentially requiring mitigation. Delayed mitigation, if data analysis indicates that mitigation is required. Delay would increase the risk of a tank detonation.	963			
1110-0-		Mitigate - Technology Development for Tank Vapor Safety	A1		1	WHC engineering support to continuously monitor tank vapor flow and to allow for revision/modifications in the field to the vapor flow monitoring device on tank 241-C-103. If funding is reduced, would not be able to support TPA subpanel recommendation that tank monitoring be performed. In addition, support to continually monitor the vapor flow and provide alarm capability as required in SI-2P would be impacted.	162			
1110-0-		Mitigate C-103 Organic Issue	A1		1	Scope includes the development, testing, installation, and operation of equipment for skimming the floating organic layer from the tank. In addition, it will be necessary to remove the floating organic safety issues, the organic will be pumped and stored in a RCRA compliant storage area and will be treated and disposed. Reductions in funding will result in potential delay in completion of TPA milestone M-40-04, Complete removal of floating organic layer from tank 241-C-103 by 6/95, and Safety Initiative SI-2u, Remove organic layer from tank 241-C-103 by 3/95.	1,900			
1110-0-		Mitigate Hydroxide Consumption	A1		1	Perform mixing operations of sodium hydroxide (caustic) in 107-AN; design caustic injection and mixing systems for 102-AZ and 102-AN. Tanks would remain out of compliance with the	2,011			

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: 111 Program: Tank Farms										
Case: T										
1110-0-	Perform Waste Tank Safety Program Management	A1	1	<p>tank farm composition operating specification for hydroxide ion concentration which can potentially cause stress corrosion cracking.</p> <p>Provide management of the Waste Tank Safety Program and Safety Issue Resolution; TPA milestone M-40-00. Loss of management and advisory resources would potentially cause delays in mitigating waste tanks, closing USQs and resolving safety issues.</p>	6,477					
1110-0-	Resolve FeCN Safety Issue	A1	1	<p>Resolution of the FeCN safety issue is a two-step process that requires that FeCN USQ and then obtaining representative core samples and analytical analyses from each tank for similar groups of tanks to validate the tanks fit into either the safe or conditionally safe categories. This activity includes technical support funding, core sample data interpretation, safety documentation, and other associated tasks to resolve the safety issue. Reduction of funds will impede ability to resolve the FeCN safety issue within the specified timeframe.</p>	1,520					
1110-0-	Resolve Internal Tank Vapor Issues	A1	1	<p>WHC engineering liaison for management oversight of the fabrication plus craft support of installation of the modular exhauster to include modifications and upgrades of utilities/generators to support the field operation of the exhauster. The ability to clean and exhaust the tank headspace is essential to adequately protect tank farm workers. Completion of TPA milestone M-40-07 to commence operation of a vapor treatment system by 6/95 would be impacted should funding of the activity be reduced.</p>	1,368					
1110-0-	Resolve Internal-Organic Tanks without Treatment	A1	1	<p>Logic to resolve the tank waste safety issue is to understand the mechanisms responsible for the potential hazard and to monitor and control waste storage parameters required to ensure compliance with safety criteria. This activie includes tank monitoring upgrades and safety and environmental documentation for installation of monitoring</p>	4,945					

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)		(\$,000)	
Ads# Act	RL	Grmbly	Justification	FY 95	FY95P	FY95I	FY 96
							FY96P
							FY96I

Prog_Id: 111	Program: Tank Farms						
Case: T							
			upgrades within the organic tanks. Tank monitoring upgrades will provide the required surveillance in association with resolving the organic safety issue. Any reduction of funds will impact completion of Safety Initiative milestones SI-2t, to install TCs and CTMS by 3/95. Failure to provide pressure monitoring of the tanks will impact compliance with the Wyden Bill.				
1110-0-		A1 1	TPA M-40-10, Safety Initiative 2f, 2h. Delay installation of gas monitors on remaining SSTs; delay vapor space monitoring of all flammable gas tanks; delay installation of SY farm exhauster and spark proof fan.	10,134			
1110-0-		A1 1	DOE-HQ requirement to develop better methods of fissile material measurements in Hanford tanks and maintain tank criticality databases. Inaccurate fissile measurements and criticality databases could result in criticality violations.	1,640			
1110-0-		A1 1	Required to provide QA overview of the Waste Tank Safety Program. Loss of quality assurance and oversight functions would erode the validity of all data collected.	1,771			
1130- -		A1 1	Analyzes core samples tank from non-watch list tanks. The DNFSB 93-5 commitment requires safety screen of non-watch list tanks by 10/96.	6,553			
1130- -		A1 1	Analyzes core samples tank from watch list tanks. The DNFSB 93-5 commitment requires safety screen of watch list tanks by 10/96.	9,475			
1130- -		A1 1	Analyzes auger and vapor samples. Auger sample analyses are required for completion of safety screening. Vapor analyses are required to support core sampling.	1,595			
1130- -		A1 1	This task collects auger samples from tanks. Auger sampling is required to complete safety screening in accordance with DNFSB 93-5.	1,016			
1130- -		A1 1	Provides the programmatic planning, systems engineering and QA support for tank waste characterization. Failure to fund these tasks will eliminate the programmatic support to	1,233			

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96

Prog_Id: 111 Program: Tank Farms										
Case: T										
1130-	-		Complete historical ask content estimate report for MW and SE quadrants	A1		characterization, including preparation of tank waste analysis plans as required by TPA milestone M-44-00. TPA DNFSB requirement to evaluate historical process characterization data to supplement DNFSB commitment 1.18 due 3/95.	1,875			
1130-	-		Generate Tank Characterization Reports	A1	1	Prepares tank characterization reports based on historical data, past sampling data, and current sampling. Failure to fund these tasks would cancel the documentation of tank sampling and analysis activities. (TPA milestones M-44-08 and M-44-09.)	1,326			
1130-	-		Load Characterization data on tanks into database	A1	1	Transfers tank characterization data into the electronic database for routine access. Electronic access to tank data is required by TPA milestones M-44-00 and M-35-00.	1,073			
1130-	-		Screen Watch List tanks for safety issues and completion of deployment of Rotary Mode Core Sampling	A1	1	Collects core samples from tanks on the watch list for safety issue screening. Completion of watch list tanks safety screening is required by 10/95 by DNFSB 93-5 commitment 2.3.	14,062			
1130-	-		Screen non-watch list tanks for safety issues	A1	1	This task collects core samples from non-watch list tanks for safety issue screen. Completion of non-watch list tanks safety screen is required by 10/96, in DNFSB 93-5 recommendation.	6,000			
1130-	-		Vapor sampling of tanks	A1	1	Collects tank vapor space samples. Vapor sampling is required to collect data for resolution of safety issues and to assure conditions are suitable for rotary core sampling.	1,893			
1200-	-		Chg Cont/Funds management	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.	116			
1200-	-		Performance Analysis	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.	2,662			

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
1200-	-	Program Baseline	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.	1,609				
1200-	-	Program Planning	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.	1,323				
1200-	-	Program Status	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.	2,077				
1200-	-	RCRA Permit Implementation	A1	6	Capture TWRS requirements and modifications of management systems in order to implement the terms and conditions of the RCRA permit. TWRS specific activities would not be completed and WMC risks non-compliance with the permit (WAC 173-303).	943				
1210-3-		D/C Initial DST WR System Phase I	A1	1	Provide retrieval systems for the first 10 DST to be retrieved. Retrieval will support resolution of tank safety issues (first designated tank as 101-SY) provide tank waste feed for ultimate disposal and open tank space to facilitate SST waste transfer (TPA). Unresolved safety issue; delays to SST retrieval and TPA milestones.	9,600				
1210-4-		D/C Slucing WR Demo C-106	A1	1	Provide a water sluicing based retrieval system to remove the high-heat generating sludge from Tank C-106 to resolve the associated tank safety issue. Unresolved safety issue; missed TPA milestone M-45-03A.	22,400				
1100-	-	242-A Evaporator Engineering	A2	4	Supports 242-A evaporator operations. Engineering support required for evaporator operations and maintenance.	4,000				
1100-	-	242-A Evaporator Maintenance	A2	4	Supports 242-A evaporator operations. Required by WAC 173-303, Dangerous Waste Regulations. Need for operational	4,000				

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Prog_Id:	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96
111			Program: Tank Farms							
			Case: T							
1100-	-		242-A Evaporator Operations	A2	4	compliance. Required for waste volume reduction. Not operating will impact tank farms ability to accept waste transfers. Will need add'l DSTs to be built.		8,900		
1100-	-		CASS/TMACS/SACS Data Base Management	A2		Data base for TF surveillance activities. Required TF base safe operations and regulatory compliance.		1,200		
1100-	-		Criticality Safety Engineering	A2	1	Upgrades criticality safety evaluations and fissile material inventories for safe storage and transfers. Without a criticality safety program no transfers to tanks can be performed. Upgrades recommended by DOE-HQ.		600		
1100-	-		DNFSB 90-2, Codes and Standards	A2		Implementation required by DNFSB 90-2. DOE-HQ and DNFSB requirement.		1,600		
1100-	-		DST Integrity Assessment Program	A2		DST Integrity Assessments regulatory required. WAC 173-303-640, Tank Systems requirement. We are currently out of compliance.		2,600		
1100-	-		DST Pumping Capabilities	A2	1	DST emergency pumping program development including equipment, procedures, and training. WAC 173-303 requires emergency pumping corrective actions to commence with 24 hours of discovering a tank leaker.		600		
1100-	-		DST/242-A Part B Permits	A2		Responds to the State's expected Notice of Deficiencies comments and addresses issues/concerns relating to permitting. A final facility permit is required by the Tri-Party Agreement and WAC 173-303-800, "Permit Requirements for Dangerous Waste Management Facilities."		1,000		
1100-	-		Environmental Compliance	A2		Required for continued tank farm operations. Funding required for maintaining environmental compliance with regulatory requirements.		4,900		
1100-	-		LOW Vans and Gamma Leak Detection	A2		Performs vadose zone characterization and surveillances in and around tank farms. Leak detection and plume analysis are regulatory requirements under WAC 173-303.		800		
1100-	-		Nuclear Safety Oversight	A2	1	Waste Tank Nuclear Safety assess the overall safety of each facility providing the independent review responsibility. Independent Nuclear Safety Oversight is required by DOE Order		1,000		

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
1100-	-	OSR Implementation	A2	1	5480.5, "Safety of Nuclear Facilities" and WMC MRP 5.23, "Nuclear Facility Safety." Supports required upgrades (procedures and hardware) needed to fully implement the DST/SST/AMF interim OSRs. Supports continued safe operations in Tank Farms and allows Tank Farms to dully implent the interim OSRs.	4,500				
1100-	-	Planning and Administration	A2	3	Provides occurance reporting, admin support, and the Tank Farms integrated planning function. DOE Order requirements and efficient planning and operation.	2,700				
1100-	-	Program Element and Baseline Management	A2	3	Provides programmatic direction and program management support to the M1 program element. Baseline management and planning is required to support continued tank farm safe operations.	2,200				
1100-	-	Rad/Haz Solid Waste Disposal	A2	1	Characterizes, packages, and disposes of newly generated radioactive/hazardous solid waste in tank farms. Solid waste characterization and segregation is required by WAC 173-303, "Dangerous Waste Regulations."	7,400				
1100-	-	SST Emergency Pumping	A2	1	Completes SST T-111 emergency corrective actions and responds to identified SST leaker. Emergency pumping of an identified SST leaker is required to minimize exposure to the environment. In addition, WAC 173-303 requires the prevention of migration of dangerous waste or dangerous constituents to ground water or surface water, if possible.	300				
1100-	-	SST Emergency Pumping Preparations	A2	1	Maintains the emergency pumping capability of SST (i.e., SST Emergency pumping trailer, training, procedures, overground transfers capability, etc.), Emergency pumping of an identified SST leaker is required to minimize exposure to the environment. In addition, WAC 173-303 requires the prevention of migration of dangerous waste or dangerous constituents to ground wate or surface water, if possible.	800				
1100-	-	SST Interim Stabilization	A2	4	SST pumping for stabilization in cluding preparations for pumping. Includes required operations/maintenace/engineering activities, and KEH farm preparations. Tri-Party Agreement	4,500				

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
1100-	-	SST Intrusion Prevention	A2	4	milestone M-41-0, "Complete Single-Shell Tank Interim Stabilization." SST intrusion prevention is required to prevent liquids from re-entering the tank following stabilization. Tri-Party Agreement milestone M-41-0, "Complete Single Shell Tank Interim Stabilization."	600				
1100-	-	SST Stabilization Field Support	A2	4	SST pumping for stabilization including preparations for pumping. Field support includes crane and rigging, HPTs, QA/QC, management, etc. Tri-Party Agreement milestone M-41-0, "Complete Single Shell Tank Interim Stabilization."	5,700				
1100-	-	Safety Documentaion Upgrades	A2	1	Safety documentation upgrades continue withy DST FSAR/TSRs preparations, revision of DST/AWF/SST interim OSRs and 242-A FSAR update. Upgrade Tank Farms safety documentation to meet requirements of DOE Order 5480.21/22/23. Needed for upgrading the Tank Farms safety envelope.	5,200				
1100-	-	Tank Farm Assessments (Utilities and Services)	A2		Utilities and Services for Tank Farm surveillance/operations. Funding of electricity, steam/water, laundry, and solid waste burials is base safe operations.	11,400				
1100-	-	Tank Farm Facility Operations	A2	4	Performs facility operations in 200 East/West areas. This includes routing/transfer of low-level waste, sampling, farm control, etc.	18,400				
1100-	-	Tank Farm Industrial Hygiene and Safety	A2	2	Performs industrial hygiene monitoring and analysis of tank farms and personnel for a safe working environment. Regulatory requirement 29 CFR 1910-120, "Hazardous Waste Operations and Emergency Response," and OSHA required for worker protection.	4,100				
1100-	-	Tank Farm Plant Cognizant Engineering	A2	1	Performs the System and Process engineering functions in tank farms required for continued safe operations. Engineering support is required for safe operations and maintenance activities in tank farms.	7,000				
1100-	-	Tank Farm Plant Operating Procedures	A2	2	Maintains tank farm operational and administrative procedures. DOE Order 5480.19 requires review and/or revision of procedures every two years. A total of 524	2,300				

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms											
Case: T											
1100-	-		Tank Farm Training	A2	2	procedures, 22 operator round sheets, 14 OSDs, and 14 OSRs will need to be reviewed and/or revised. Tank Farm training supports base safe operations. includes operator and maintenance training program. Personnel training and qualification is required by WAC 173-303-330, "Personnel Training," which states the facility owner or operation shall provide a program of classroom instruction or on-the-job training for facility personnel. In addition, DOE Order 5480.20 mandates a formal training program.	6,400				
1100-	-		Tank Farms Coorective/Preventive Maintenance	A2	1	Performs corrective/preventitive maintenance to maintain a safe operating configuration in tank farms. Maintenance is required for base safe operations and is a regulatory requirement.	23,600				
1120-	0-		Compressed Air System - Safety	A2	1	Safety Initiative 4b35. Complete compressed air system equipment assessment and replacement. Operate high maintenance compressors and instrument air piping which is inefficient and causes instrment damage and decreased reliability.	500				
1120-	0-		Configuration Management	A2	1	System P&IDs, Component Labeling, and Master Equipment List (MEL) for all tank farms. Implement CM plan. Implement Design Base Document Reconstitution program.	1,400				
1120-	0-		DST Qualification Life Extension	A2	4	TPA M-32. Provide the strategy to manage the Hanford waste tank system facilities and establish the service life of the facility systems, structures, and components. Service life of existing DSTs will expire without justification to continue use. Actual service life will not be managed and maximized.	1,000				
1120-	0-		Field Verify Essential Drawings	A2	1	Safety Initiative # 4c42. CAD covert, field verify and release all remaining essential and support drawings for tank farms. Continue without fiedl verified drawings. Safety impact with drawings not verified to actual field configuration. Drawings unreliable for planning and operations.	2,000				

4/19/94

9:28 am

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 136

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Table: Pri96.db

Report: #2

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: 111 Program: Tank Farms										
Case: T										
1120-0-	Resolve Site Electrical Assessment (Safety) Issues	A2	1	Correct remaining identified Site Electrical Assessment code deficiencies and future discovered deficiencies. DOE Order 6430.1A, General Design Criteria. Work with know electrical deficiencies. Provide the evaluations of power distribution system at the Tank Farms required for compliance with DOE order 6430.1A.	2,100					
1120-0-	Safety Initiative Alarm Panels Upgrade	A2	1	Safety Initiative #4a34. Upgrading old alarm systems with state-of-the-art equipment and new circuits. Removing old circuitry for no longer valid alarm systems. High maintenance alarm system with increased operator time for monitoring. Undesirable work environment with outdated and invalid alarm systems.	600					
1120-0-	Systems Engineering	A2	3	DOE Order 4700.1, DNFSB Recommendation 92-4, Grumbly Safety Initiative. System Engineering Requirements/Trade studies would be delayed or not met.	200					
1120-0-	TMACS Watch List Tanks - Safety	A2	1	Safety Initiative 2t27. TMACS for all Organic Watch List tanks. Connect temperature sensors in A, AX, and U Farms as well as Tanks B-103 and TX-105 to the Tank Monitoring and Control System (TMACS). Operators will maintain periodic rounds to take thermocouple readings as opposed to remote/continuous temperature monitoring of Watch List tanks.	2,400					
1120-0-	Technical Integration and Planning	A2	3	Provide programmatic technical integration, planning, reporting, control, and management. Resources would be inadequate to effectively manage and direct the Upgrades Program activities.	2,000					
1120-0-	W-280 SY and C Lighting	A2	1	Upgrade of facility lighting and SY and C Farms to provide adequate lighting during field activities. Safty concern that the current lighting does not provide adequate illumination during non-daylight hours.	100					
1120-6-	W-314A Integrated Instrumentation Upgrade	A2	1	Full scape upgrade of the instrumentation system, the supervisory control and data acquisition system for 177 tanks in tank farms. Delay of evaluation of current instrumentation and related equipment and integration with	5,800					

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
1120-6-		W-314B DST Ventilation Upgrade	A2	1	ongoing near-term upgrades and projects. High maintenance of inadequate and unreliable instrumentation. Higher operating costs and inefficiencies without centralized control. Upgrade ventilation system of 28 DSTs to ensure that radionuclide and hazardous content of the exhaust vapors do not exceed regulatory limits. Delay in the evaluation of the condition of all DST primary and annulus ventilation systems and replacement/upgrade as required in support of the TPA. High maintenance and continued regulatory non-compliance.	4,100				
1120-6-		W-314D Electrical System Upgrades	A2	1	Upgrade power distribution system beyond the incoming switchgear. Delay in upgrade of power distribution system in support of TPA. Outdated motor control centers, power cables, and junction boxes will continue to be used and maintained with electrical safety risk.	2,200				
1130-	-	Develop Analytical Procedures	A2		Provides new laboratory procedures for Hanford laboratories. Individual new capabilities are based on DQO requirements.	1,286				
1130-	-	Develop Hot Cell Analytical Instrumentation	A2		Provides new laboratory methods (hardware and software). Individual new capabilities are based on DQO requirements.	2,230				
1130-	-	Develop In-situ Characterization Methods	A2		Provides capabilities for in-tank measurements. Individual new capabilities are based on DQO requirements. This task includes DNFSB 93-04 commitment 3.13.	1,000				
1130-	-	Improve Field Sampling Methods	A2		Expands field sampling capabilities and improves recoverability of sample. Individual new capabilities are based on DQO requirements. This task includes DNFSB 93-05 commitment 3.16.	2,500				
1130-	-	Integration/Transfer Technology to Labs	A2		Identifies technology development needs and transfers new capabilities to routine use. Individual new capabilities are based on DQO requirements.	2,500				
1130-	-	Maintain 222-S lab readiness	A2	4	Maintains the lab support facilities and personnel to be ready to analyze TWRS tank samples. Failure to fund this task will impede the ability to provide basic lab analysis for TWRS.	5,631				
1130-	-	Modify PAS-1; License/Provide NCAW	A2	4	Provides containers for sending samples offsite. Offsite	463				

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub	Priority			(\$,000)		(\$,000)				
Ads# Act	Workscope Desc	RL	Grmbly	Justification	FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: 111 Program: Tank Farms										
Case: T										
	casks			labs are required to meet schedule commitments.						
1130-	Pay 300 Area Waste Assessment	A2	4	Pays the 340 facility assessment. Use of the 340 facility is required for disposal of lab waste generated in the 300 area.	2,100					
1130-	Upgrade 222-S and 325 Labs	A2	4	This task improves lab capabilities to meet TWRS needs. Hotcell upgrades are needed to meet characterization requirements.	5,338					
1210-0-	Program Definition, Planning, and Integration	A2	3	Provide program management, integration, baseline planning, budgeting and controls for retrieval technology, engineering, projects, and operations. Provides functional and technical requirements for the program. Provides for program interface, including regulators and stakeholders.	2,100					
1100-	Issues/Corrective Action Management	B1	2	Facilitates corrective action management for TWRS on existing and emerging safety, environmental protection, and conduct of operations conditions. Required in order to perform risk evaluations, root cause analysis, performance evaluations, and issue closures.	1,800					
1100-	QA/QC	B1	1	Provides environmental safety, health, and quality assurance support to routine tank farm operations and maintenance activities. DOE Order 5480.1B requirement which establishes the environmental protection, safety, and health programs (ES&H) requires quality assurance and control functions.	2,000					
1100-	Tank Farm Security	B1	1	Administers physical and industrial security measures supporting the Tank Farm complexes. Security requirements per DOE-M-30.3A. In addition, WAC 173-303-310, "Security," requires control access and monitoring.	400					
1120-0-	Liquid Waste Minimization Upgrades	B1	1	TPA M-17. Modify facilities to minimize effluent waste water generation to meet TPA milestone M-17. Effluent waste water will continue to be generated with limited storage space and environmental impact.	1,700					
1120-2-	W-030 AY/AZ Primary Ventilation	B1	1	Replace primary ventilation system for AY/AZ tank farms in compliance with TPA milestone M-34-01. Operate systems and components which have exceeded their design life. Failure to comply with congressionally directed DOE plan to discontinue	1,000					

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: 111 Program: Tank Farms											
Case: T											
1120-4-	W-058	Cross Site Transfer System	B1	1	Provide encased pipelines to connect the SY Tank Farm, 200 W, to the 200 E tank farms in compliance with current codes and regulations. Operate existing system which does not conform to all current regulatory requirements and has a questionable life.	21,800					
1120-6-	W-314C	Waste Transfer Lines	B1	1	Upgrade inter-area waste transfer system to ensure compliance with RCRA and WAC leak detection requirements. Delay in completion of compliant transfer lines and integration with the future cross-site transfer system.	3,900					
1120-7-	W-028	Aging Waste Transfer Line	B1	4	Required to provide a reliable long-term high heat liquid waste transfer sytem from B Plant to treatment facilities. The existing waste transfer system is not in compliance with 40 CFR 264 and current DOE orders. Continued use of the present system could result in potential safety and health hazards during pretreatment and removal of B Plant waste.	4,700					
1130-	-	Analyze Supernate Sample (DST Part B Permit)	B1	4	This task analyzes DST supernate samples. Supernate analysis are required for the RCRA part B permit approval.	4,301					
1130-	-	Analyze Supernate Sample for SST Stabilization and 242-A Evaporator Operation	B1	4	This task analyzes supernate samples. Supernate analysis are required to support 242-A evaporator operation and SST stabilization.	2,300					
1130-	-	Sample supernate to support RCRA and process DST requirements	B1	4	Collects samples of double-shell tank supernate. The hazardous waste permit specifies sampling requirements. Add'l samples are required to support 242-A evaporator operations.	2,951					
1200-	-	Business management	B1	3	Prepare TWRS Master Site Plan based on known conformation or best assumptions from individual projects. Provide minimum business management for all TWRS projects. Increased cost in TWRS projects due to duplication and mismatches and non-compliance with DOE 4700.1.	1,736					
1200-	-	Compliance Coordination	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA	293					

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: 111 Program: Tank Farms										
Case: T										
1200-	-	Configuration Management	B1	5	compliance; establishing the ESH&QA self-assessment programs; defining the environmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	125			31	
1200-	-	Define Compliance Requirements	B1	2	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding lievel could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.	155				
1200-	-	Establish Requirements Envelope	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the environmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	1,341				
1200-	-	Mapping and Marking	B1	6	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	828				
1200-	-	Program Management and Support	B1	5	Mapping of underground lines carrying dangerous waste is required by the Dangerous Waste Permit. Lines outside of Tank Farms will not be marked placing WHC in violation of Permit and subject to fines.	4,236				
1200-	-	Program Management and Support	B1	5	Essential program management of TD and overall integration of					

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
1200-	-	Program Planning	B1	5	technology needs; supports, TDPO to manage the TWRS integrated technology planning and technology groups in TWRS functional areas. Without coordination and planning, technology development will increase in cost and fail to meet the needs of the TWRS program. Lack of commercial and academic sources built subject the program to further criticism for lack of participation.	5,984				
1200-	-	Self Assessment Program	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WMC will not be met.	318				
1200-	-	Site Integration	B1	3	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the environmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	1,004				
1200-	-	System Engineering Tools	B1	5	Prepare TWRS Master Site Plan based on known conformation or best assumptions from individual projects. Provide minimum business management for all TWRS projects. Increased cost in TWRS projects due to duplication and mismatches and non-compliance with DOE 4700.1.	444				
1200-	-	System Engineering Tools	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and					

4/19/94

9:28 am

Table: Pri96.db

Report: #2

Sub

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
1200-	-	Systems Engineering Management Plan	B1	5	obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.	536				
1200-	-	Systems Engineering Management Plan	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.	475				
1200-	-	TWRS EIS	B1		The ROD is required to start design for pretreatment, LLW, and HLW facilities. Delaying preparation will cause delays in initiating design of the 3 plants (TPA milestones) and related follow-on milestones.	5,747				
1200-	-	Technology Development and Program Office	B1	5	Essential program management of TD and overall integration of technology needs; supports, TDPO to manage the TWRS integrated technology planning and technology groups in TWRS functional areas. Without coordination and planning, technology development will increase in cost and fail to meet the needs of the TWRS program. Lack of commercial and academic sources built subject the program to further	2,482				

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Prog Id	Sub	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
111			Test/Evaluation Management	B1	5	criticism for lack of participation. Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.	92					
1200			Total Quality Management	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the environmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	633					
1210			D/C/T Arm Based SST WR Demo	B1	3	Provide the design/construction, procurement, and installation of the waste retrieval systems necessary to complee retrieval of tank 241-c-106, folling sluicing operations. Provides for the testing and demonstration of long-reach manipulator retrieval systems and the development of such a retrieval system. If not funded, delay to milestone M-45-03.	1,000	*		8,200	*	**
1210-0			D/C Small Volume WR System	B1	5	Design, develop, and provide a pilot-scale retrieval system to obtain small volumes of tank waste materials or planned scale test facilities supporting waste pretreatment process testing, bench-scale melter testing, in-tank sludge washing tests, and other pretreatment/disposal activites. Delays to pretreatment and disposal project designs.	700	*		700	*	
1210-0			D/C and Perform SST Barrier Feature Tests/Demo	B1	2	Provide the feasibility study, development, procurement, site modification, construction, installation, and performance testing of small scale sub-surface confinement system for	3,100	*		4,600	*	**

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
					SSTs. Meet TPA and safety initiative milestones. Delays TPA milestone M-45-07.					
1210-0-		Define Arm-Based SST WR Project	B1	3	Define and establish the first arm based retrieval project engineering trade studies necessary to bound project scope, establish functional requirements, complete the engineering study and project documentation necessary to obtain key decision 0. If not funded, may delay TPA milestone M-45-03.	3,300	*			
1210-0-		Define Characterization Needs/Develop Simulants	B1	1	Provide and maintain data quality objective (DQO) for the retrieval program. Develop simulants which match the selected physical and/or chemical properties selected to characterize the performance of retrieval equipment/processes. Preceeds pump tests. Delay DST retrieval projects design.	800			1,000	**
1210-0-		Define Initial DST WR Systems Project	B1	3	Prepare engineering trade studies, assessments, project definition, and project level functions and requirements. Perform systems engineering assessments of needs and interfaces with other TWRS elements. Prepare test and evaluation plan. Delay DST retrieval projects design.	200	*		500	**
1210-0-		Define Initial SST WR Support Service Facility	B1	3	Define and establish the waste receiver and support facility requirements necessary to provide the SST retrieval system operations for the first tank farm. Provide requirements to Tank Farm upgrades. Delay upgrade projects and TPA milestone M-45-04.	200	*		200	**
1210-0-		Define Initial SST WR System Project	B1	3	Define and establish the initial SST retrieval systems. Include the engineering trade studies necessary to bound project scope and select retrieval technologies for specific tanks. Establish functional, technical, and design requirements, and complete the ES and project documentation necessary to obtain key decision 0. Impacts TPA milestone M-45-04.	700	*		1,500	**
1210-0-		Define SST WR Training/Test Requirements	B1	3	Define and develop the SST retrieval systems training and test requirements to support retrieval of all 149 SSTs. Prepare functions and requirements, evaluate facility	300	*		800	*

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
1210-0-		Define WR Infrastructure Requirements	B1	2	options, perform trade studies, and complete the engineering study. Delay to TPA milestone M-45-04. Define the tank farm and supporting infrastructure requirements necessary to achieve mission and objectives. These requirements will be provided and integrated with the Tank Farms upgrades program. The requirements include electrical power, lighting, compressed air, tank ventilation systems, and waste transfer interfaces. Delay upgrade projects and TPA M-45-04.	300	*		100	*
1210-0-		Develop Enhanced SST WR Technologies	B1	4	Identify, develop, and evaluate enhancements to the reference SST retrieval systems that require expanded capabilities to address tanks with saltcake and in-tank hardware. Sluicing enhancements will be evaluated to improve sluicing retrieval performance, reduce cost, and reduce tank leakage potential. Delay TPA milestones M-45-04.	900			300	
1210-0-		Develop Enhanced SST WR Technologies	B1	4	Identify, develop, and evaluate enhancements to the reference SST retrieval systems that require expanded capabilities to address tanks with saltcake and in-tank hardware. Sluicing enhancements will be evaluated to improve sluicing retrieval performance, reduce cost, and reduce tank leakage potential. Delay TPA milestones M-45-04.				700	
1210-0-		Develop/Test Enhanced Alt DST WR Systems	B1	5	Define requirements for retrieval of high shear strength DST sludges. Identify candidate systems to improve the performance, cost, or operational efficiency over existing mixer pump based systems. Define, develop, and procure improved mixer pump designs as a cooperative activity with Savannah River site. Provide data to support design of DST retrieval projects. No improvements in reliability to current DST baseline system.	600			700	
1210-0-		Develop 1st generation arm-based systems (EM-50)	B1	5	EM-50 funded activity. Provide specification input and evaluation criteria. Delay W-340 project demo and M-45-03.	100			100	
1210-0-		Evaluate Alt. SST Tech	B1	2	Evaluate alternate approaches to SST retrieval. Establish a competitive system development approach through an industry	700	*		800	*

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grnbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: 111 Program: Tank Farms									
Case: T									
1210-0-	Evaluate and Test SST Leak Detection Methods	B1	2	"fly-off" concept. Provide leak detection and monitoring system functions and requirements, evaluate the available technologies, and select technologies for engineering development/testing. Test the selected technologies. Provide the leak detection and monitoring system. Potential delay to start of sluicing and TPA milestone M-45-04.	1,500	*		2,000	*
1210-0-	Perform DST WR Process Test	B1						300	*
1210-0-	Perform DST WR Process Test	B1	1	Prepare the test plan for the retrieval process test in tank 101-AZ. Train personnel. Perform the operational readiness reviews and perform the test. Delay to pretreatment activities and DST retrieval projects design.	8,600	*		300	*
1210-0-	Prepare Closure Reg. Requirements Assessment	B1	6	Prepare analysis of federal and state regulation to identify issues relating to closure of SSTs. Update SST closure work plan. Delays TPA milestone M-45-06.	300	*			
1210-0-	Test/Analyze Mixer Pump Performance	B1	4	Define test program to demonstrate mixer pump performance. Develop analytical models to provide basis for predicting performance of waste retrieval equipment. Provide appropriate scale test facilities to demonstrate retrieval equipment performance. Provide data to develop and/or verify designs of DST waste retrieval projects. Delay DST retrieval projects design.	4,000			4,000	
1220- -	Conduct System Engineering and Trade Studies (Part II)	B1	4	Needed to provide a final design description with sufficient detail to provide a firm technical basis for follow-on design activities. Delays start of design activities for LLW and HLW pretreatment facilities.	1,200				
1220- -	Conduct project engineering and management	B1	3	To provide project oversight and integrate project activities. Integration of project activities and project reporting would be adversely affected.	4,200			4,600	
1220- -	Define F&R for HLW Pretreatment Facility	B1	4	Needed to support waste treatment prior to processing LLW pretreatment facility. Adversely impacts TPA milestone M-50-01T01 in FY95 and potentially delays LLW processing; ineffective cesium removal also increases the need for	3,100				

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: 111 Program: Tank Farms											
Case: T											
1220-	-	Define F&R for HLW pretreatment facility	B1	4	shielding in the LLW vitrification plant. Needed to support waste treatment prior to processing in LLW pretreatment facility. Adversely impacts TPA milestone M-50-01T01 in FY95 and potentially delays LLW processing; ineffective cesium removal also increases the need for shielding in the LLW vitrification plant.	500					
1220-	-	Define F&R for In-Tank Processing	B1	3	Needed to ensure that in-tank washing is implemented to support HLW pretreatment as scheduled. Jeopardizes meeting TPA milestone M-50-04. (Start hot operations of HLW pretreatment facility.)				565		**
1220-	-	Define F&R for In-Tank Processing	B1	3	Needed to ensure that in-tank washing is implemented to support HLW pretreatment as scheduled. Jeopardizes meeting TPA milestone M-50-04. (Start hot operations of HLW pretreatment facility.)	500					
1220-	-	Define F&R for LLW Pretreatment Facility (Part II)	B1	3	To provide FDC documents necessary to initiate projects. Function and requirements would not be available for the initiation of design activities.	2,000					
1220-	-	Develop Flowsheets and Applied Tech. Evaluation (B)	B1	4	Needed to support effort to determine whether advanced sludge separation processes are required M-50-03. Jeopardizes completion of milestone and delays or creates great uncertainty for the LLW/HLW pretreatment plants and possibly LLW/HLW vitrification plants.	1,200					
1220-	-	Develop/Evaluate Organic Complexant Destruction Technology	B1	4	Support the Title I design of the LLW pretreatment facility and reduces the technical uncertainty of how much organic destruction capability must be provided. Either the capability for organic destruction would be delayed for the second LLW pretreatment module or management would have to assume that blending would have to address any problems that arose in the future.	1,600					
1220-	-	Develop/Evaluate Solids/Liquids Separations Alts	B1	4	Data from these tests will be used in trade studies that determine the acceptability of enhanced sludge washing, supporting M-50-03. Lack of this work jeopardizes the operation of the LLW pretreatment and potentially increase	10,400			10,392		**

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
1220-	-	Develop/Evaluation sep tech for other rads (Part I)	B1	4	the volume of waste that will go to HLW vitrification. Needed to support waste treatment prior to processing in either HLW or LLW facilities. Potentially delays LLW processing.	3,800			3,800	**
1220-	-	Develop/evaluate sludge treatment alternatives	B1	4	Support of activires to reduce HLW glass volumes and supports completion of TPA milestone M-50-03. Delays completion of milestone.	1,900	*		2,200	**
1220-	-	Hot test facility activities	B1	4	Need for pilot scale testing of the pretreatment processes using real waste is necessary for facility design and process validation. management assumes significant cost, shedule, and technical risk that the LLW and HLW pretreatment palns can successfully operate if such test information is unavailable.	7,111			17,052	**
1220-	-	Hot test facility activities	B1	4	Need for pilot scale testing of the pretreatment processes using real waste is necessary for facility design and process validation. management assumes significant cost, shedule, and technical risk that the LLW and HLW pretreatment palns can successfully operate if such test information is unavailable.	2,889	*			
1220-	-	LLW pret mod I fac pret for startup phase I	B1	4	Supports hot operations of LLW pretreatment module, TPA milestone M-50-02. Ensures staffing, training, and other operations requirements are addressed in a timely manner. Delay hot operations of the LLW pretreatment module, TPA milestone M-50-02.	200			219	
1220-	-	Perform Technical Integration and Planning	B1	3	Provide program oversight and integrate pretreatment activity requirements. Planning and program elbement management would not be performed.	3,000				
1220-	-	Prepare Advanced Conceptual Design (ACDR)-LLW	B1	4	Needed to support Title I design. Delay of Title design and M-50-01-T02.	7,500				
1220-	-	Prepare Conceptual Design (CDR)-LLW Mod 1	B1	4	The CDR is needed in order to initiatie Title design and meet TPA milestone M-50-01-T2. Title design would be delayed, delays completion of M-50-01-T2.	9,200				
1220-	-	Prepare PSAR - LLW Mod 1	B1	4	Complete PSAR is needed to start construction. Delay start	300			532	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)			
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I	

Prog_Id: 111 Program: Tank Farms													
Case: T													
1220-	-		Prepare PSAR - LLW Mod 2	B1	4	of construction, impacting TPA milestone M-50-01. Complete PSAR is needed to start construction of Mod II. Delay start of construction of Mod II.					89		
1220-	-		Prepare PSE - LLW MOD 1	B1	4	Hazard and potential consequences data is needed during definitive design for prevention and migration of potential accident consequences. Delay of definitive design and other facility permitting.	400						
1220-	-		Prepare PSE - LLW Mod 2	B1	1	Hazard and potential consequences data is needed during definitive design for prevention and migration of potential accide consequences. Delay of definitive design and other facility permitting.	400	*			154		
1220-2-			Prepare Advanced Conceptual Design (ACDR) -HLW	B1	4	Conceptual design needed to support definitive design. Ensures timely incorporation of solids/liquids seperation and sludge processing technologies. Delay of CDR activities could delay start of definitive design, TPA milestone M-50-04 -T02, or cause increased risk associated with uncertainties in technology development.	1,300	*			3,173	*	**
1220-2-			Prepare Conceptual Design (CDR) - HLW	B1	4	Supports completion of TPA milestone M-50-04-T01, CDR HLW pretreatment facility. Concurrent design with CDR LLW pretreatment facility ensures proper and timely integration of requirements. Creates possible disconnect between design of LLW pretreatment and HLW pretreatment (e.g., both LLW and HLW handling in each facility).	3,000	*					
1220-2-			Prepare PSE - HLW Pretreatment Facility	B1	4	Hazard and potential consequences data is needed during definitive design for prevention and migration of potential accident consequences. Delay of definitive design and other facility permitting.					290	*	
1230-	-		Conceptual Design	B1	4	Conceptual design activites include development of a CDR including the cost and schedule information required for key decisions 1 and 2. Impacts TPA milestones M-60-03 and-04.	12,420	*			14,900	*	**
1230-	-		Disposal Systems	B1	4	Technology studies to support disposal systems engineering studies and designs. provide technical input to PA. This work is necessary to eliminate the conservation in the PA and	311						

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96

Prog_Id: 111 Program: Tank Farms										
Case: T										
1230-	-		Grout Facilities	B1	1	better reflect the longterm performance. Determination of the best disposal system for LLW glass bill be delayed which will impact the PA and design/construction of disposal facilities. This will impact ORR since disposal systems will not be available.	932			
1230-	-		Integrated Process Systems	B1	5	Compliance with TPA milestones to maintain facilities in standby. The withdrawal of funding for the Grout Facilities would violate stated and federal requirements for an operational facility. From a regulatory perspective, Grout is an operational (albeit standby) facility as stated in the TPA. Minimum regulatory requirements for an operational facility include periodic inspections, personnel training, reporting, and recordkeeping.	1,863			
1230-	-		Maintain Technical Basis Documentation	B1	4	Performance of technology assessment of all unit operations associated with the LLW vitrification facility. The primary focus will be on melter support systems (off-gas, feed systems, product handling, recycle systems, etc.). Delaying integrated process systems will delay the design of vitrification system. This includes items such as off-gas, feed handling, and glass handling systems. Delay to TPA milestones.	621	*		600
1230-	-		Matl. Properties Handbook Database	B1	5	Develop a methodology and plan for media handling for the LLW disposal program. This will provide a system to track and recover documents and other written communications. Retrieval of key program documentation is essential to defend startup and disposal decisions. Lack of funding in FY95 and FY96 will increase the programmatic risk and delay this implementation. It is prudent to set up a system like this at the start of the program.	207			

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: 111 Program: Tank Farms										
Case: T										
1230-	-	Melter Technology Selection	B1	5	<p>participants to work from using same basis. This means a mismatch between design, PA, permitting.</p> <p>Evaluate the ability of different melter technologies to vitrify low-level waste. Activity will span FY 94 thru FY96. Develop melter technology selection criteria, perform melter testing of multiple technologies with outside vendors and select the optimum melter technology for the vitrification of LLW. Will not meet the TPA milestones for melter testing and selection of a melter system. This impacts the selection of 1996 of vitrification which impacts start of design construction, permitting. The impact would be a day-and-one-half-day-for-day delay.</p>	20,286				
1230-	-	Misc. Technology Studies	B1	5	<p>Development of handling techniques for vitrified product, waste form placement and etc. Where an engineering solution is not apparent, development of new technology will be developed. Impact would not allow looking at and evaluating privatization proposals, evaluations of activities by other sites ro DOE that could be used by LLW. Impact would be an increased risk that items mentioned would not be resolved in a timely manner.</p>	414				
1230-	-	NEPA Documentation	B1	4	<p>Support preparation of the data packages going to TWRS EIS contractor. Completion of the data packages is necessary for the EIS contractor to complete the EIS and calculate impacts of the TWRS program to the public. The EIS is on the critical path for the LLW program. Lack of funding for those critical path activity will have negative schedule impact upon the LLW disposal program essentially day for day.</p>	311				
1230-	-	Non-Vitrifiable LLW Systems	B1	4	<p>Results in the information required to generate the basis for stabilization, treatment, and disposal of these non-vitrifiable products. Impact delays identification of technologies to handle waste streams that will not be captured in the LLW glass. Such as off-gas HEPA filters.</p>	1,346	*			
1230-	-	Operations Preparation	B1	4	<p>This activity includes planning for plant operations. This</p>				1,300	*

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 152

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
1230-	-	Packaging Materials and Characterization	B1	4	will include training plans, staffing, staffing plan, startup plan, sampling plans, maintenance plans, operating plans, etc. Delay to TPA milestone M-60-05, Hot Operations. Ensure that vitrified LLW and waste packaging materials are compatible and all LLW PA requirements are met. Develop glass quality requirements. Impacts to funding would delay construction and design of disposal/storage facility by 3-5 years if we do not determine up front the proper type of matrix materials, characteristics of glass and matrix material to meet long term disposal. Will impact approval of PA.	1,967				
1230-	-	Perform Engineering Review and Support	B1	4	Provide internal and external design review of LLW vitrification program documents. Lack of funding in FY 95 and FY96 will increase risk and acceptance of the designing information.	311	*		2,000	*
1230-	-	Perform engineering studies, Select baseline	B1	4	This activity evaluates potential sites for locating the process and storage/disposal facilities for LLW vitrification in the 200 Areas. Site selection is required to initiate the project. Lack of FY95 and FY96 would prevent issuance of the site selection report and would result in a day-for-day delay.	725	*			
1230-	-	Permitting	B1	4	Development of Part A, initiate Part B, and other related and required permits supporting design and construction activities. Programmatic technical risk and delays to construction TPA milestone.	207				
1230-	-	Preconceptual Design	B1	4	Follows up work from the Facility Ops Engineering study. The scope will also include assessing the inputs from the draft F&R documents and process flowsheets to prepare preconceptual design documentation, including block diagrams, HVAC, filtration and scrubbers, remote handling needs, transportation, cranes, electrical supplies and distribution, cold chemical storage and feed, compressed air, instrument air, etc. Lack of funding in FY95 and FY96 would impact the	725	*			

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
					information detail available to the A/E through preconceptual design. Consequently, future costs would be impacted on a dollar-for-dollar basis. Risk would also increase for implementation of desired concepts and ability to merge TWRS facilities, but cannot be quantified.					
1230-	-	Prepare Interim LLW Performance Assessment	B1	4	This task will prepare interim performance assessment to provide confidence before start of construction that the low-level waste disposal will pass DOE and public review. Lack FY 95 and FY 96 funding the interim LLW Performance Assessment will increase the risk to acceptance of the final disposal system design and waste form (cost and schedule risk).	725	*		600	*
1230-	-	Prepare Performance Assessments	B1	4	Develop strategies for Performance Assessment activities and provide guidance on how PA activities could affect other parts of the LLW project. The PA is required for startup. Lack of funding for the PA will increase the technical risk to disposal design concepts, waste form, and public acceptance of the LLW vitrification program and potentially delay the startup of facility.	311	*		300	
1230-	-	Prepare Preliminary and Final LLW PA	B1	4	Complete the PA for review and approval by DOE-HQ and public review. The PA is required for startup. Lack of funding for the PA will delay completion of the PA. Lack of funding in FY 95 can be compensated in 2001 through 2005 with some increased risk.	3,933	*		4,800	*
1230-	-	Prepare Process Flowsheets	B1	4	Prepares LLW process flowsheets. This activity includes material balances, process description, assumptions, and rationales. This activity provides the technical basis for facility equipment, interfaces (utilities, process pipelines, etc.) and sizing. Failure to fund this activity in FY 95 and FY 96 would increase costs to the A/E in design, where this activity would need to be done. Lack of flowsheets would also increase risk of properly managed TWRS interfaces.	104				

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

Page 154

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
1230-	-	Product Quality Acceptance	B1	5	This will define vitrification product quality criteria. This would delay how we monitor the waste form and disposal system, delaying the Part B permit.	700				
1230-	-	Project Definition Support	B1	4	This activity provides ongoing support to vitrification facility design and construction activities. Includes operability and maintenance interface, input to the project, and documentation review support. Impacts TPA milestone M-60-05, Hot Operations.	311	*		1,000	*
1230-	-	Project Management	B1	3	Project management activities consist of change control administratin, baseline management, program pain development, configuration control, cost reporting, procedure preparation, personnel management, reports/presenations, and quality assurance oversight. TPA milestone M-60-03 will not be met, if not funded.	1,863	*		2,200	*
1230-	-	Safety Analysis Reports/Permits	B1	4	SAR/permitting activities will provide documentation addressing significant safety aspects of the project and environmental documentaion addressing construction and operations. TPA milestone M-60-04 will not be met, if not funded.	414	*		600	*
1230-	-	Safety Documentation	B1	4	Prepare Hazard Classifications for the preconceptual design activities in FY 95 and FY96. Lack of funding will place the program at technical risk for the future levels of design, validation, and safety implementation required of the program for startup.	311				
1230-	-	Simulant Development	B1	5	Definition of LLW vitrification feed specs. Develop and procure simulant for melter technology testing. The simulant development directly supports melter testing and delaying simulant delays testing of melters. Minimum of a day-for-day delay.	828				
1230-	-	Vitrification oversight/planning	B1	3	Provide management technical direction for all technically related activities (melters, simulants, formulation, pilot plant, etc.). This is an account for the technology group to provide support to the program office. Impacts would be slow	200				

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
					down planning, administrative activities, and implementation of technology strategy.					
1240-	-	Manage Project	B1	3	Support preparation for Key Decision 0. Needed for conceptual design, TPA milestone M-51-03-T01.				100	*
1240-	-	Perform Feed Specs/Processability Assessment	B1	5	Provide assessment of the acceptability of waste glasses, limits on key glass components, and estimated volume of glass. This support facility conceptual design and impacts 1998 TPA milestone M-51-03-T01. Delay of 2 years if not funded.	600	*		700	*
1240-	-	Perform HLW Process/Equipment Development and Testing	B1	5	Identify, test, and evaluate alternative process/equipment options to support melter system development testing and as preparation for conceptual design. This work is needed to evaluate balance of plant issues for each candidate melter and supports TPA milestone M-51-02. Delay of 3 years, if not funded.	2,900	*		3,100	*
1240-	-	Perform HLW Program Management Activities	B1	3	Provide program planning HLW strategy, preparation of Program Element budget, schedule, WBS and plans, and change control. Interface with other Program Elements. This is necessary to plan the HLW program. Without this activity, the program will not be managed.	1,200			1,300	
1240-	-	Perform Initial Feed/Process Development	B1	5	Develop feed processes/chemistry in support of process/equipment development. This is needed to evaluate balance of plant issues and supports TPA milestone M-51-02. Delay of 3 years if not funded.	1,200	*		1,400	*
1240-	-	Perfrom Initial Glass Formulation	B1	5	Develop and evaluate waste glass formulations based on HLW composition definition to support melter testing/evaluation, process equipment development/testing, pre-project systems trade studies, and preparation for conceptual design.	2,000	*		2,100	*
1240-	-	Prepare HLW Process	B1	4	Develop HLW facilities scope and prepare functions and requirements for a HLW vitrification facility as preparation for conceptual design. This supports conceptual design and impacts TPA milestone M-52-03-T01. Delay of 2 years if not funded.	1,400	*		1,400	*

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: 111 Program: Tank Farms									
Case: T									
1240- -	Prepare HLW Process	B1	5	Perform trade studies on size and type of waste package (canister, cask, etc.), TRU waste disposal options, melter system options, facility configuration concepts, process/product control, and confinement systems. This supports conceptual design and impacts TPA milestone M-51-03-T01. Delay of 2 years if not funded.	2,500	*		4,500	*
1240- -	Prepare Waste Form Description Documentation	B1	5	Determine acceptability of waste form to the repository. Supports conceptual design of the facility, TPA milestone M-51-03-T01. Delay of 2 years if not funded.	200	*		400	*
1240- -	Select Melter Candidates and Perform HLW Melter Testing and Evaluation	B1	5	Conduct testing including vendor testing, evaluation, and development as candidates for the HLW vitrification facility. Vendor testing includes benchscale melters for selection of 2 melter systems for further testing. This testing is necessary to select the reference melter in 1998 as required by TPA interim milestone M-51-02. Delay of 3 years if not funded.				8,166	
1240- -	Select Melter Candidates and Perform HLW Melter Testing and Evaluation	B1	5	Conduct testing including vendor testing, evaluation, and development as candidates for the HLW vitrification facility. Vendor testing includes benchscale melters for selection of 2 melter systems for further testing. This testing is necessary to select the reference melter in 1998 as required by TPA interim milestone M-51-02. Delay of 3 years if not funded.	5,200	*		434	*
1280- -	Construct 6 New Tanks	B1	1		82,000				
1100- -	Purchase HLLW Cask and Pumping System	B2	1	Required for SST emergency puming in the event of a leaker. Tri-Party Agreement milestone M-41-03B, "Delivery of the mobile high-level waste transport cask."	1,200				
1120-0-	Engineered Tank Farm Hardware	B2	4	Develop transfer pumps for tank farm wastes. Develop design guide for equipment to be installed in tanks. Higher fiscal and environmental costs associated with equipment which does not consider life cycle costs in their design.	1,200				
1120-0-	Liquid Level Gauges	B2	4	Installation of new liquid level gauges on all DST and SST with surface liquid. Continue operation of unreliable high	1,700				

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
1120-0-		Long Length Contaminated Equipment Disposal	B2	4	Develop protocol and hardware for the disposal process. Failing to implement such a strategy has an estimated cost impact of over \$1 Billion.	5,700				
1120-0-		W-372 Long Length Waste Equipment Transfer Port (LLWERP) (CWO)	B2	4	Design and construction of portal addition to the south end of the T Plant canyon for long-length equipment decontamination. Long-length equipment will be handled with current high costs and environmental risks.	1,900				
1120-0-		W-373 Long Length Waste Equipment Storage Facility (LLWESF) (CWO)	B2	4	Construct a building for greater than 90-day storage of containerized long-length contaminated equipment (LLCE). Non compliance with 90-day storage regulations.	400				
1120-0-		W-374 Long Length Waste Equipment Container Storage Facility (LLWECF) (CWO)	B2	4	Design and construct a controlled storage yard for empty long-length contaminated equipment (LLCE) containers. Containers for emergency disposals will not be ready for immediate use. Delay in reaction time to failed long-length equipment installed in tanks.	400				
1120-0-		W-375 Long Length Containment Cold Test Facility (LLCCTF) (CWO)	B2	4	Modify a cold test facility for development testing operator training for equipment associated with the disposal of LLCE. inadequate operator training for disposal of contaminated equipment. Cost impact due to inefficiency.	400				
1230-	-	Program Management	B2	3	Providing overall management and guidance of the program. Preparation and submittal to customer of business plans (FYWP, MYPP, ADS). Support to public involvement and systems engineering process. Path to success for HLW. Should this activity be reduced or cut, the thread of the program would be lost. This is a major part of the success of LLW. Would impact TPA milestone.	6				
1120-0-		Compressed Air System Upgrades	C2	4	Assessment/replacement of compressed air systems in remaining (non-watch list) tank farms. Inefficient operations. Increased instrument unreliability.	200			500	
1120-0-		Consolidate Alara Panels	C2	4	Replacement/upgrade of old alarm panel systems with state-of-the-art circuitry. Inefficient operations of unreliable equipment. Operators work in a cluttered environment with	400			600	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: 111 Program: Tank Farms									
Case: T									
1120-0-	Control Room Upgrades	C2	4	invalid alarms. Upgrade the control room instrumentation and electrical systems to replace equipment not in compliance with current standards and regulations. Non-compliance with standards and regulations.	800				
1120-0-	Diesel Generator Upgrades	C2	4	Replacement of diesel generators to provide emergency power supply for tank farms. Non replacement of older generators could possibly result in loss of emergency power to instrumentation at tank farms during power outages.	300			300	
1120-0-	Electrical and I&C GPP Definition	C2	4	Identify General Plant Projects required to support electrical and I&C upgrades. Necessary instrumentation and electrical upgrade General Plant Projects will remain undefined and unworked.	200				
1120-0-	General Plant Projects (GPP) Facility Definition	C2	4	Identify General Plant Projects required to support facility upgrades. Necessary General Plant Projects, such as lighting upgrades, will go undefined and unworked.	400			3,400	
1120-0-	MDAT Mitigation	C2	4	Replacement of handwritten field data sheets and procedures with hand held data acquisition computers to improve data quality and retrieveability. Inefficient operations. Potentially higher operator error. Longer stay in contaminated zone (ALARA).	500			600	
1120-0-	Mechanical GPP Definition	C2						3,400	
1120-0-	Upgrade Operating Procedures	C2	4	Upgrade of the operating procedures to support operations and maintenance activities. Operating procedure will not be in compliance with current standards and regulations.	700				
1120-1-	W-188 Radiological Support Facilities	C2	4	Design and construct compliant change facilities, office space, and permanent WRAM stations. Individuals which become contaminated during operations must be transported to shower locations outside the farm. Co-mingling issues. Continue working in crowded conditions in temporary change trailers.	200			800	
1130- -	Operate offsite Characterization Lab to support TWRS/Analyze	D1	4	Provides containers for sending samples offsite. Offsite labs are required to meet schedule commitments.	9,800				
1130- -	Upgrade offsite Characterization	D1		Upgrades one offsite lab for TWRS support. One offsite lab	350				

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms									
Case: T									
1200- -	Lab to support TWRS/Analyze Acquisition management	D1	4	is required to meet DNFSB commitments. Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.	67				
1200- -	Business Management/Integration	D1	3	Provide appropriate business management control of TWRS projects. Poorly managed projects and non-compliance with DOE 4700.1.	1,035				
1200- -	Business management	D1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track status, and measurement performance as requested by DOE orders and good management.	118				
1200- -	Clerical Support	D1	3	Provides for GSS Contractor, clerical support, and support to other DOE laboratories.	377				
1200- -	Communications and Building Management	D1	3	Division level communications, administration, employee recognition, and building administration. Significant reduction in morale of TWRS employees.	1,125				
1200- -	DOE Lab Support	D1	3	Provides for GSS Contractor, clerical support, and support to other DOE laboratories.	776				
1200- -	Employee Concerns/Suggestions	D1	4	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.	136				
1200- -	General Supply Service Contractor	D1	3	Provides for GSS Contractor, clerical support, and support to other DOE laboratories.	4,486				
1200- -	Information Resources Management	D1	4	Establish and maintain a TWRS centralized information resources management system, including computer databases, document control, and record management. The element	2,174				

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms										
Case: T										
					includes development of appropriate software and acquisition of hardware to support the program. Continued decentralized, mixed, and contradicting data, which will affect two TPA milestones and put program out of compliance with Program Management Plan and Annexes.					
1200-	-	Program Management	D1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the environmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.			208		
1200-	-	Program Management and Support	D1	5	Increase staff and contract help to expand technology vase in support of privatization, systems engineering, ad dedicated end function program management. Overall reduction in technology support would increase risks of not having alternative technologies to support program.			1,139		
1200-	-	Program Planning	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.			1,663		
1200-	-	Public Involvement Execution	D1	6	Provides limited planning for mandatory program level public involvement and building administration. Failure to plan or have quality public involvement will destroy credibility.			49		
1200-	-	Public Involvement Management	D1	6	Provides limited planning for mandatory program level public involvement and building administration. Failure to plan or have quality public involvement will destroy credibility.			131		
1200-	-	Re-engineering and Production	D1	4	Continue prosectution of Profile II savings and other productivity initiatives, development of annual staffing plan, and individual Qualification and Training Plans and preparation of Acquisition Plan. Loss of tens of millions of			668		

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: 111 Program: Tank Farms									
Case: T									
1200- -	Readiness Review Management	D1	4	dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments. Manages the formal ORR program for all TWRS activities. Greatly increases risk of approving startup/restart of facilities and forces non-compliance with DOE 5480.31 which requires independent ORR. Can affect future mixer pump installation and numerous TF upgrades in FY95.	283				
1200- -	Systems Engineering Management Plan	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.	52				
1200- -	Systems Engineering Tools	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.	1,035				
1200- -	Training and Qualification	D1	4	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.	268				
1120-0-	W-364 209E Septic Tank Upgrade (GPP)	E1	4	Install septic tank and drain field at 209E building. Continue frequent pumping of septic tank. Poor management practice.	500				
1100- -	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(7,700)			(1,155)	
1100- -	Productivity Commitment	F1		Productivity Commitment identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(62,394)			(26,520)	

4/19/94

9:28 am

Table: Pri96.db

Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96

Prog_id: 111 Program: Tank Farms

Case: T

Sub Total for Case T	661,947	107,592
----------------------	---------	---------

Sub Total for Case D&T	661,947	717,281
------------------------	---------	---------

Sub Total Case D,T & P for Tank Farms	661,947	717,281
---------------------------------------	---------	---------

* This activity is included on the Productivity Commitment by RL Priority report.

**This activity is included on the Additional Target by RL Priority report.

.4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: WDS Program: Waste and Decon Services											
Case: D											
2320-0-	a-WDS Safety Assurance			A2	2	Continue correction of safety deficiencies for minimum safe status of facilities, continue facility training, update SARs, update and develop plant specific procedures, engineering/projects support to eliminate unsafe conditions and enhance facility safety, conduct of operations, routines/surveillances, radiological zone reduction, monitoring and operation of the PWR Core II spent nuclear fuel pool. Replace failed equipment and miscellaneous materials. (Continuous Air Monitors, Personnel Contamination Monitors, generators.) Upgrade the T Plant electrical system.					12,412
2320-0-	b-T Plant Maintenance and Assessments			A2	2	Perform preventive maintenance, safety equipment calibration, winterization/summerization, critical repairs, maintenance engineering, and Job Control System for the minimum safe status of facilities. Target and decrement funding do not allow for increases in utilities: steam, electricity, water, laundry, electric maintenance. Upgrade the T Plant control room.					13,019
2320-0-	c-T Plant Maintenance and Assessments (Waste Disposal and Compliance)			A2	2	Provide environmental engineering and compliance support in repackaging, treatment/repair, receiving and shipping of wastes/equipment. Supports TPA milestones M-17-41 and M-17-42, which direct the discharge of liquid effluents to T Plant ditches be stopped, and M-20-51 for the submittal of T Plant's Part B permit application to Ecology and EPA. Target and decrement funding do not allow for projected increases in waste volume and in waste disposal rates.					4,140
2320-0-	d-Liquid Waste Transfers			A2	1	Maintain and certify Liquid Waste Tank Cars (LWTCs). The LWTCs are the primary liquid waste transfer system for T Plant, the 340 Facility, and the 400 Area. 300 Area liquid waste is generated by PNL that performs sampling and testing activities of Tank Farms' liquid waste, supporting Tank Farms' TPA milestone M-44. The LWTCs also serve as backup for other Hanford site facilities whose primary liquid waste					501

4/19/94

9:28 am

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST

BY PROGRAM BY CASE BY RL PRIORITY

(D=Decrement, T=Target, P=Planning)

Table: Pri96.db

Report: #2

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: WDS Program: Waste and Decon Services										
Case: D										
2320-0-		e-Decontamination/Repair Services	A2	2	transfer system is hard piping. Target and decrement funding do not allow for possible increases in rail and track fees. Unable to provide decontamination and repair services for the Hanford site and treatment services essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its Long Length Contaminated Equipment (LLCE). The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste "nonrepairable/ nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA, to be consistent with waste minimization and reduction.				472	*
2320-0-		e-Decontamination/Repair Services	A2	2	Unable to provide decontamination and repair services for the Hanford site and treatment services essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its Long Length Contaminated Equipment (LLCE). The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste "nonrepairable/ nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA, to be consistent with waste minimization and reduction.				111	
2320-0-		f-Applied Technology and Equipment	A2	5	Procure and install containment systems and hazardous storage units to support decontamination activities.				547	
2320-2-		g-Project W-259, T Plant Secondary Containment and Leak Detection	B1	2	Initiate Advanced CDR, Definitive Design and permitting. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and				2,362	*

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority RL Grmby	Justification	(\$,000)			(\$,000)	
						FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: WDS Program: Waste and Decon Services										
Case: D										
2320-2-			g-Project W-259, T Plant Secondary Containment and Leak Detection	B1 2	subsequently T Plant's Part B permit application will be jeopardized. Initiate Advanced CDR. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.				178	
2320-1-			h-Project C-077, T Plant Ventilation Upgrade	B2 2	Complete the Advanced CDR. The upgrade is required for: 1) worker safety/ALARA (10 CFR 835), calls for the minimization of the spread of airborne rad contamination within the 221-T canyon; 2)worker efficiency (DOE Order 6430.1A), canyon access is limited to 15 minute intervals per worker during 80 degree or higher temperatures in the summer, extending the intervals beyond 15 minutes increases the risk of skin contamination due to perspiration. Conversely, inadequate heating systems have created freezing conditions during the winter. Respirator face plates tend to fog in cold conditions, creating serious safety hazards for personnel; and 3) negative differential pressure (WAC 173-400), to correct deficiencies in the differential pressure regulation in the 221-T tunnel and canyon.				266	
2320- -			G & A Rate Reduction	F1	Anticipated reductions in the Westinghouse Company Level General and Administrative (G&A) overhead rates.				(507)	
2320- -			Productivity Commitment	F1	Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.				(3,319)	
						=====			=====	
Sub Total for Case D							0		30,182	
Case: T										
2320-0-			a-WDS Safety Assurance	A2 2	Continue correction of safety deficiencies for minimum safe status of facilities, continue facility training, update		14,126		217	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
				RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I

Prog_Id: WDS Program: Waste and Decon Services										
Case: T										
2320-0-			b-T Plant Maintenance and Assessments	A2	2	SARs, update and develop plant specific procedures, engineering/projects support to eliminate unsafe conditions and enhance facility safety, conduct of operations, routines/surveillances, radiological zone reduction, monitoring and operation of the PWR Core II spent nuclear fuel pool. Replace failed equipment and miscellaneous materials. (Continuous Air Monitors, Personnel Contamination Monitors, generators.) Upgrade T Plant's electrical system to be compliant with current codes and standards (NEC, OSHA), and to support the current mission and final D&D. Perform preventive maintenance, safety equipment calibration, winterization/summerization, critical repairs, maintenance engineering, and Job Control System for the minimum safe status of facilities. Target funding does not allow for increases in utilities: steam, electricity, water, laundry, and electric maintenance. Upgrade the T Plant Control room.	12,629			227
2320-0-			c-T Plant Maintenance and Assessments (Waste Disposal and Compliance)	A2	2	Provide environmental engineering and compliance support in repackaging, treatment/repair, receiving and shipping of waste/equipment. Supports TPA milestones M-17-41 and M-17-42, which direct the discharge of liquid effluents to T Plant ditches be stopped, and M-20-51 for the submittal of T Plant's Part B permit application to Ecology and the EPA. Target funding does not allow for projected increases in waste volume and waste disposal rates.	3,188			73
2320-0-			d-Liquid Waste Transfers	A2	1	Maintain and certify Liquid Waste Tank Cars (LWTCs). The LWTCs are the primary liquid waste transfer system for T Plant, the 340 Facility, and the 400 Area. 300 Area liquid waste is generated by PNL that performs sampling and testing activities of Tank Farm's liquid waste, supporting Tank Farms' TPA milestone M-44. The LWTCs also serve as backup for other Hanford site facilities whose primary liquid waste is hard piping. Target funding does not allow for possible increases in rail and track fees;	520			9

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Prog_Id: WDS Program: Waste and Decon Services									
Case: T									
2320-0-	e-Decontamination/Repair Services	A2	2	Provide decontamination and repair services for the Hanford site. Treatment services are essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its LLCE. The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste, "nonrepairable/nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA to be consistent with waste minimization and reduction.	3,100	*		4,127	*
2320-0-	e-Decontamination/Repair Services	A2	2	Provide decontamination and repair services for the Hanford site. Treatment services are essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its LLCE. The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste, "nonrepairable/nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA to be consistent with waste minimization and reduction.	2,550			940	
2320-0-	f-Applied Technology and Equipment	A2	5	Procure and install the following equipment in support of decontamination activities: 1)FY95: ice blaster, chemical decontamination systems, and secondary waste treatment; 2) FY96: containment systems and hazardous storage units.	555			8	
2320-0-	g-Process Planning (Project W-372, Long Length Waste Item Transfer Port Addition)	A2	3	Required to allow oversized waste equipment from the Hanford site, entry into the 221-T canyon for waste treatment. Supports Tank Farms' TPA milestone M-45. Necessary for the treatment of Tank Farms' LLCE waste which will be shipped from Tank Farms beginning in 12/95.	600	*		401	*

4/19/94

9:28 am

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Table: Pri96.db

Report: #2

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Prog_Id: WDS Program: Waste and Decon Services										
Case: T										
2320-2-		h-Project W-259, T Plant Secondary Containment and Leak Detection	B1	2	Complete Advanced CDR, initiate Definitive Design and permitting. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.	300	*		38	*
2320-2-		h-Project W-259, T Plant Secondary Containment and Leak Detection	B1	2	Complete Advanced CDR, initiate Definitive Design and permitting. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.				2	
2320-1-		i-Project C-077, T Plant Ventilation Upgrade	B2	2	Complete the Advanced CDR. The upgrade is required for: 1) worker safety/ALARA (10 CFR 835), calls for the minimization of the spread of airborne rad contamination within the 221-T canyon; 2) worker efficiency (DOE Order 6430.1A), canyon access is limited to 15 minute intervals per worker during 80 degree or higher temperatures in the summer, extending the intervals beyond 15 minutes increases the risk of skin contamination due to perspiration. Conversely, inadequate heating systems have created freezing conditions during the winter. Respirator face plates tend to fog in cold conditions, creating serious safety hazards for personnel; and 3) negative differential pressure (WAC 173-400), to correct deficiencies in the differential pressure regulation in the 221-T tunnel and canyon.				4	
2320-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(600)			(93)	
2320-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(3,697)			(626)	

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)			
		RL	Grnbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I		
Prog_Id: WDS Program: Waste and Decon Services										
Case: T										
					=====					
					Sub Total for Case T	33,271			3,327	
					=====					
					Sub Total for Case D&T	33,271			35,509	
Case: P										
2320-0-	a-WDS Safety Assurance	A2	2	Perform asbestos abatement in the T Plant office building in FY 1995. Accelerate correction of more than 140 Waste Remediation Commitment Tracking and 70 QUEST items. Increase staffing to support training and operational safety.	2,596			2,450		
2320-0-	b-T Plant Maintenance and Assessments	A2	2	Accelerate reduction of more than 350 maintenance backlog items. Budget for projected increases in plant assessments: steam, electricity, water, laundry, and electric maintenance.	1,476			3,725		
2320-0-	c-T Plant Maintenance and Assessments (Waste Disposal and Compliance)	A2	2	Budget for projected increases in waste volume and in waste disposal rates.	1,372			647		
2320-0-	d-Liquid Waste Transfers	A2	1	Allow for the possible increase in rail and track fees, which is dependent upon WDS pro rate share of the site rail costs.	152			173		
2320-0-	e-Decontamination/Repair Services	A2	2	Accelerate cleanout of the T Plant canyon and decontaminate/treat more items for the site.	2,115			2,256		
2320-0-	f-Applied Technology and Equipment	A2	5	In addition to the equipment identified in the target case, the following equipment will be procured in support of decontamination activities: 1)FY95: remote handling equipment, CO2 blaster, and more chemical decontamination systems and secondary waste treatment equipment. 2)FY96: laser cutter, an ultra high pressure water system and more containment systems and hazardous storage units. The laser cutter which costs approx. \$1,000k is needed to support Tank Farms TPA milestone M-45 in the treatment of its LLCE--air lances, pumps, and contaminated equipment.	5,500			5,500		
2320-0-	g-Process Planning (Project W-372, Long Length Waste Item Transfer	A2	2	Fully fund project by adding back 10% productivity commitment.	70			44		

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: WDS Program: Waste and Decon Services										
Case: P										
2320-0-	Port Addition) j-T Plant Maintenance and Assessments (Spent Nuclear Fuel Removal/Storage)	A2	1	The O'Leary commissioned "DOE Spent Nuclear Fuel Working Group Report" classified the Shippingport Pressurized Water Reactor Core II spent nuclear fuel, stored in a modified T Plant cell as a "Reactor Irradiated Nuclear Materials" vulnerability concern. Funding is needed to support the plan development, safety documentation, procedure development, and readiness review, for the removal and storage of the fuel. This includes procurement of storage casks to remove 72 spent nuclear fuel elements from the T Plant canyon to a storage destination to be determined.	1,000			4,850		
2320-0-	l-Decontamination Process Planning (Includes planning for T Plant replacement facility, if required)	B1	4	Supports planning activities required by TPA milestone M-33, to upgrade an existing facility (T Plant or another), modify an existing project (WRAP-B, etc.) or permit and design an entirely new facility. Funding is needed for all treatment process planning regardless of the facility selected, and for all pre-construction costs for a T-Plant replacement facility project (if required).	3,500			3,500		
2320-2-	h-Project W-259, T Plant Secondary Containment and Leak Detection	B1	2	Fully fund line item by adding back 10% productivity commitment.	30			80		
2320-0-	k-Railcar Disposition	B2	2	Develop work plan and begin disposal of an unused wooden flat car and two LWTCs in FY95 instead of in FY98 (after they are replaced by new LWTCs).	500			1,500		
2320-1-	i-Project C-077, T Plant Ventilation Upgrade	B2	2	Fully fund line item by adding back 10% Productivity Commitment.				60		
2320-0-	m-IRU Operation	C1	5	The Inspection Repackaging Unit (IRU) is necessary for the sampling, assaying, and repackaging of solid waste containers to meet WAC 173-303 requirement. The unit is designed to be capable of being moved between work sites as needed.	600			800		
2320-0-	n-Legacy Waste Cleanup	C2	2	Stabilize or dispose of legacy waste in and around the T Plant facilities. Presents potential exposure and industrial safety concerns.	1,250			1,584		
2320-0-	o-T Plant Head End Cleanup	C2	2	Dispose of chemicals and obsolete process equipment which	500			1,500		

4/19/94
 9:28 am
 Table: Pri96.db
 Report: #2

FY95/FY96 INTEGRATED WASTE MANAGEMENT PRIORITY LIST
 BY PROGRAM BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Prog_Id: WDS Program: Waste and Decon Services											
Case: P											
2320-0-		p-Pollution Prevention and Waste Minimization	D1	6	pose an industrial safety concern. (OSHA, ALARA) Implement pollution prevention and waste minimization opportunities as directed by Executive order 12856.					478	
						=====	=====				
Sub Total for Case P						20,661				29,147	
						=====	=====				
Sub Total for Case P						20,661				29,147	
						=====	=====				
Sub Total Case D,T & P for Waste and Decon Services						53,932				64,656	
						=====	=====				
Grand Total						1,790,547				1,909,823	

* This activity is included on the Productivity Commitment by RL Priority report.
 **This activity is included on the Additional Target by RL Priority report.

V. - EM-30 Priority List

Report #5

Table: EM-30.db

Title: EM-30 Activities By Case by RL Priority

Summary Explanation of Report:

This report lists the Waste Management (EM-30) cut of the integrated priority list. This information is packaged as follows:

- * First summary level is the Decrement Case sorted by RL priority. In other words, the decrement case is listed with all A1 priority workscope first and all F1 priority workscope last.
- * Second summary level lists the incremental dollars required to build to the Target level of funding (these dollars are additive to what is in the Decrement Case); this is also listed in order of RL priority.
- * Third summary level lists the additional incremental dollars required to build to the Planning Case (i.e. decrement case plus target case increments plus planning case increments equal total Planning Case); this data is listed in order of RL priority.

Also provided on this report under the column heading "Productivity/Add'l Target" are double asterisks (**) to indicate which scope would be eliminated if the additional HQ target of \$131M is not provided in FY 1996. This data will be revisited in the May timeframe.

The single asterisk (*) indicates which workscope was included as a result of the integrated application of the Productivity Commitment.

This is not necessarily the same scope that would be deleted if the productivity commitment were not achieved for any reason.

Report #2
Table: EM-30.05
Title: EM-30 Activities By Case by RL Priority

Summary Explanation of Report:

This report lists the Waste Management (EM-30) out of the integrated priority list. This information is packaged as follows:

* First summary level is the Decrement Case sorted by RL priority. In other words, the decrement case is listed with all A) priority workscope first and all B) priority workscope last.

* Second summary level is the Decrement Case sorted by RL priority. In other words, the decrement case is listed with all A) priority workscope first and all B) priority workscope last.

* Third summary level lists the additional incremental dollars required to build to the Planning Case (i.e. Decrement Case plus target case increments plus planning case increments equal total Planning Case). This data is listed in order of RL priority.

Also provided on this report under the column heading "Productivity/Unit Target" are double asterisks (**) to indicate which scope would be eliminated if the additional NO target of 2000 is not achieved in FY 1998. This data will be revisited in the May timeline.

The single asterisk (*) indicates which workscope was included in the integrated application of the Productivity Commitment.

This is not necessarily the same scope that would be retained if the productivity commitment were not achieved for any reason.

**THIS PAGE INTENTIONALLY
LEFT BLANK**

4/18/94

12:15 pm

Table: EM-30.db

Report #5

Sub

Ads# Act

Workscope Desc

Priority

RL Grnbly

Justification

(\$,000)

FY 95

FY95P

FY95I

(\$,000)

FY 96

FY96P FY96I

Page 1

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-30 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

Case: D

Case	Sub	Workscope Desc	Priority	Justification	FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
1100-	-	Tank Farm Routine Surveillances	A1	Acquires routine surveillance data (tank data, vent systems, LOWs, etc.) in the 200 East/West tank farms. Required for continued safe storage of underground waste tank in 200 East/West areas. In addition, WAC 173-303 "Dangerous Waste Regulations," requires a monitoring/surveillance for safe storage.				14,600		
1110-0-		Close USQs for Flammable Gas Tanks	A1 1	TPA M-40-09, Safety Initiative 21. Delay closure of SY, AW, and AN farm USQs.				1,617		
1110-0-		Evaluate Alternate Mitigation	A1 1	Current baseline reflects \$14,600k in FY95 and \$17,777k in FY96. This funding is required for sonic probe efforts. A revised funding level eliminates sonic probe development work and commences with dilution studies. This is required to evaluate alternate mitigation techniques for flammable gas tanks (Dilution). No alternative options to mitigating flammable tanks if unforeseen problems arise with mitigation pumps.				533		
1110-0-		Evaluate and Define Flammable Gas Tanks	A1 1	Vapor, auger, and retained gas sampling; data analysis, and waste behavior data evaluation. Analysis and interpretation of data as it relates to safety issue resolution would be deferred.				3,346		
1110-0-		Evaluate and Define High Heat Tanks	A1 1	Safety Initiative 2x and TPA M-40-05. Process test to reduce drainable liquid to a minimum level in 106-C; would not be completed.				475		
1110-0-		Evaluate and Define Misc. Underground Tanks	A1 1	Initiate safety screening and monitoring of misc. tanks. Would defer identification of potential safety issues.				1,444		
1110-0-		Evaluate and Define Tank Vapor	A1 1	Tank headspace vapor characterization is essential to sound Industrial Hygiene vapor monitoring. This data is required to adequately protect Tank Farm workers. Worker safety is first priority for all work performed in the tank farms. This activity allows for sampling of tank vapors for chemical constituents, flammability, and aerosols to deal with resolution of the vapor release problem in and around suspect tanks, and to reduce respiratory protection requirements in the tank farms. Potential impacts to worker safety, and completion of TPA milestones M-40-03 to perform vapor characterization for all FeCN tanks, and M-40-08 to perform				368		

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: D										
1110-0-	Evaluate and Define Technology Development for Flammable Gas Tanks	A1	1	vapor characterization for all organic tanks by 11/95m would Synathetic waste studies and modeling of gas generation and retention mechnisms and waste behavior. Add'l characterization and monitoring efforts would be required in lieu of laboratory activiries to provide the basis for USQ closure and safety issue resolution.						4,329
1110-0-	Evaluate and Define Technology Development for Organic Tanks	A1	1	This activity includes technology and evaluation to define the organic safety issue (organic Watch List criteria and model of waste for each tank to bound its safety).						3,202
1110-0-	Evaluate and Define for 18 FeCN Tanks	A1	1	Evaluation and definition of the safety hazards associated with FeCN tanks is by conduction evaluations of historical data, performing waste stimulant studies, monitoring data, analyzing tanks waste samples, and conducting waste modeling. This activity includes tank monitoring upgrades and safety and environmental documentaion for installation of monitoring upgrades within the FeCN tanks. Tank monitoring upgrades will provide the required surveillance in association with resolving the FeCN safety issue. Any reduction of funds will impact completion of TPA milestone M-40-02, to upgrade temperature monitoring capabilities in FeCN tanks by April 1995. Failure to provide pressure monitoring of the tanks						4,939
1110-0-	Evaluate and Define for Organic Tanks	A1	1	This activity provides for the evaluation and definition of the organic safety issue through waste sampling and analysis. The objective of this activity is to obtain characterization data in order to model the waste for each tank. Impacts may delay organic tank safety issue resolution by 12/97.						1,047
1110-0-	Fabricate/Install 103-SY Mitigation Pump	A1	1	Current baseline reflects \$3649 in FY95 and \$20692 in FY96. A revised funding level delays mitigation work for tank SY-103, and would allow minimal efforts for this activity. Tank 241-SY-103 is one of five flammable gas Watch List tanks potentially requiring mitigation. Delayed mitigation, if data analysis indicates that mitigation is required. Delay would increase the risk of a tank detonation.						11,407
1110-0-	Mitigate C-103 Organic Issue	A1	1	Scope includes the development, testing, installation, and operation of equipment for skimming the floating organic layer from the tank. In addition, it will be necessary to						3,756

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)				
			RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Case: D										
1110-0-		Mitigate Hydroxide Consumption	A1	1	remove the floating organic safety issues, the organic will be pumped and stored in a RCRA compliant storage area and will be treated and disposed. Reductions in funding will result in potential delay in completion of TPA milestone M-40-04, Complete removal of floating organic layer from tank 241-C-103 by 6/95, and Safety Initiative SI-2u, Remove organic layer from tank 241-C-103 by 3/95.				2,225	
1110-0-		Perform Waste Tank Safety Program Management	A1	1	Perform mixing operations of sodium hydroxide (caustic) in 107-AN; design caustic injection and mixing systems for 102-AZ and 102-AN. Tanks would remain out of compliance with the tank farm composition operating specification for hydroxide ion concentration which can potentially cause stress corrosion cracking.				6,665	
1110-0-		Resolve FeCN Safety Issue	A1	1	Provide management of the Waste Tank Safety Program and Safety Issue Resolution; TPA milestone M-40-00. Loss of management and advisory resources would potentially cause delays in mitigating waste tanks, closing USQs and resolving safety issues.				1,545	
1110-0-		Resolve Internal-Organic Tanks without Treatment	A1	1	Resolution of the FeCN safety issue is a two-step process that requires that FeCN USQ and then obtaining representative core samples and analytical analyses from each tank for similar groups of tanks to validate the tanks fit into either the safe or conditionally safe categories. This activity includes technical support funding, core sample data interpretation, safety documentation, and other associated tasks to resolve the safety issue. Reduction of funds will impede ability to resolve the FeCN safety issue within the specified timeframe.				13,053	
					Logic to resolve the tank waste safety issue is to understand the mechanisms responsible for the potential hazard and to monitor and control waste storage parameters required to ensure compliance with safety criteria. This activity includes tank monitoring upgrades and safety and environmental documentation for installation of monitoring upgrades within the organic tanks. Tank monitoring upgrades will provide the required surveillance in association with					

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: D											
1110-0-		Resolve Safety Issue organic Tanks	A1	1	Develop organic tank safety criteria through integration of all technical activities. Classify waste in 149 single-shell tanks, define monitoring, controls and procedures to ensure tank operations are conducted within compliance of safety criteria. Provide technical justification for recommending resolution of the organic tanks safety issue. Impacts may delay organic tank safety issue resolution by 12/97.						143
1110-0-		Store and Monitor Flammable Gas Tanks	A1	1	TPA M-40-10, Safety Initiative 2f, 2h. Delay installation of gas monitors on remaining SSTs; delay vapor space monitoring of all flammable gas tanks; delay installation of SY farm exhauster and spark proof fan.						11,653
1110-0-		Waste Tank Nuclear Criticality	A1	1	DOE-HQ requirement to develop better methods of fissile material measurements in Hanford tanks and maintain tank criticality databases. Inaccurate fissile measurements and criticality databases could result in criticality violations.						1,889
1110-0-		Waste Tank Safety Quality Assurance	A1	1	Required to provide QA overview of the Waste Tank Safety Program. Loss of quality assurance and oversight functions would erode the validity of all data collected.						1,822
1130- -		Analyze Non-Watch List Tank core samples	A1	1	Analyzes core samples tank from non-watch list tanks. The DNFSB 93-5 commitment requires safety screen of non-watch list tanks by 10/96.						6,553
1130- -		Analyze Watch List Tank core samples	A1	1	Analyzes core samples tank from watch list tanks. The DNFSB 93-5 commitment requires safety screen of watch list tanks by 10/96.						10,713
1130- -		Analyze DST and SST Auger/Vapor Samples	A1	1	Analyzes auger and vapor samples. Auger sample analyses are required for completion of safety screening. Vapor analyses are required to support core sampling.						1,595
1130- -		Auger sample to screen for safety issues	A1	1	This task collects auger samples from tanks. Auger sampling is required to complete safety screening in accordance with DNFSB 93-5.						2,516
1130- -		Characterization Program Technical Integration and Planning	A1	1	Provides the programmatic planning, systems engineering and QA support for tank waste characterization. Failure to fund						1,233

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 5

Case:	Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)					
				RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: D												
1130-	-		Generate Tank Characterization Reports	A1	1	these tasks will eliminate the programmatic support to characterization, including preparation of tank waste analysis plans as required by TPA milestone M-44-00. Prepares tank characterization reports based on historical data, past sampling data, and current sampling. Failure to fund these tasks would cancel the documentation of tank sampling and analysis activities. (TPA milestones M-44-08 and M-44-09.)						1,776
1130-	-		Load Characterization data on tanks into database	A1	1	Transfers tank characterization data into the electronic database for routine access. Electronic access to tank data is required by TPA milestones M-44-00 and M-35-00.						780
1130-	-		Screen non-watch list tanks for safety issues	A1	1	This task collects core samples from non-watch list tanks for safety issue screen. Completion of non-watch list tanks safety screen is required by 10/96, in DNFSB 93-5 recommendation.						21,019
1130-	-		Vapor sampling of tanks	A1	1	Collects tank vapor space samples. Vapor sampling is required to collect data for resolution of safety issues and to assure conditions are suitable for rotary core sampling.						2,810
1200-	-		Chg Cont/Funds management	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.						119
1200-	-		Performance Analysis	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.						2,739
1200-	-		Program Baseline	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.						1,656
1200-	-		Program Planning	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus,						1,361

4/18/94

12:15 pm

Table: EM-30.db

Report #5

Sub

Ads# Act

Workscope Desc

Priority
RL Grably

Justification

(\$,000)
FY 95

FY95P FY95I

(\$,000)
FY 96

FY96P FY96I

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-30 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

Page 6

Case: D

Case	Sub	Workscope Desc	Priority	Grably	Justification	(\$,000)	(\$,000)
	Act		RL			FY 95	FY 96
1200-	-	Program Status	A1	3	and measurement performance as requested by DOE orders and good management. Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track status, and measurement performance as requested by DOE orders and good management.		2,137
1200-	-	RCRA Permit Implementation	A1	6	Capture TWRS requirements and modifications of management systems in order to implement the terms and conditions of the RCRA permit. TWRS specific activities would not be completed and WHC risks non-compliance with the permit (WAC 173-303).		970
1210-3-		D/C Initial DST WR System Phase I	A1	1	Provide retrieval systems for the first 10 DST to be retrieved. Retrieval will support resolution of tank safety issues (first designated tank as 101-SY) provide tank waste feed for ultimate disposal and open tank space to facilitate SST waste transfer (TPA). Unresolved safety issue; delays to SST retrieval and TPA milestones.		19,500
1210-4-		D/C Sluicing WR Demo C-106	A1	1	Provide a water sluicing based retrieval system to remove the high-heat generating sludge from Tank C-106 to resolve the associated tank safety issue. Unresolved safety issue; missed TPA milestone M-45-03A.		11,900
2200-0-		Waste Characterization	A1	2	Provides waste characterization for retrievably stored and newly generated waste to support waste receipts and retrieval operations/inspection of retrievably stored and new generated waste required for determining the safety of continued storage and compliance with regulations. Includes visual assessment of selected reactor irradiated nuclear material containers.		3,794
2200-2-		Waste Retrieval Facility (W-113)	A1	2	Provides the facilities to initiate retrieval of the most recently stored suspect transuranic waste. Activities provided at this funding level are the award of the fixed price construction contract and the start of site preparation. Construction engineering and inspection activities will be funded. Preparation of Safety Analysis documentation will be finalized. Equipment development work will commence, but procurement activities will be delayed one		15,889

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: D										
					year at this funding level. Air and water permits will be completed.					
3031-1-		Program Direction	A1	3	Required to provide adequate managerial and financial oversight of the DOE contractors.					25,225
7340-0-AA		Program Management	A1	2	Program planning and control/RCRA Monitoring would not exist					1,197
8400-0-SA		CsCl Legacy Safety Program	A1	1	Resolve increasing safety concern in 327 pool from swelled CsCl capsules. If not funded, increased risk of a capsule rupture could contaminate pool and possibly result in loss of 327 facility.					1,279
8410-0-AA		324 Bldg B-Cell Restoration	A1	1	Resolve major safety concerns. If not funded, would create unacceptable safety risks, and the potential for a release of radioactive material to the environment would increase. (Supplemented by ADS 8400-0-YA.)					10,509
8410-0-YA		324 Bldg B-Cell Restoration	A1	1	Provides supplemental non-defense funding for ADS 8410-0-AA in Decrement Case only.					238
103- -		DOE-RL Field Support for WM	A2	3	Required to provide adequate managerial and financial oversight of the DOE contractors.					5,703
1100- -		242-A Evaporator Engineering	A2	4	Supports 242-A evaporator operations. Engineering support required for evaporator operations and maintenance.					4,200
1100- -		242-A Evaporator Maintenance	A2	4	Supports 242-A evaporator operations. Required by WAC 173-303, Dangerous Waste Regulations. Need for operational compliance.					4,200
1100- -		242-A Evaporator Operations	A2	4	Required for waste volume reduction. Not operating will impact tank farms ability to accept waste transfers. Will need add'l DSTs to be built.					9,100
1100- -		CASS/TMACS/SACS Data Base Management	A2		Data base for TF surveillance activities. Required TF base safe operations and regulatory compliance.					1,200
1100- -		Criticality Safety Engineering	A2	1	Upgrades criticality safety evaluations and fissile material inventories for safe storage and transfers. Without a criticality safety program no transfers to tanks can be performed. Upgrades recommended by DOE-HQ.					300
1100- -		DNFSB 90-2, Codes and Standards	A2		Implementation required by DNFSB 90-2. DOE-HQ and DNFSB requirement.					1,600
1100- -		DST Integrity Assessment Program	A2		DST Integrity Assessments regulatory required. WAC 173-303-640, Tank Systems requirement. We are currently out of compliance.					2,800

4/18/94

12:15 pm

Table: EM-30.db

Report #5

Sub

Ads# Act

Workscope Desc

Priority
RL Grmby

Justification

(\$,000)
FY 95

FY95P FY95I

(\$,000)
FY 96

FY96P FY96I

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-30 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

Page 8

Case: D

Case:	Sub	Workscope Desc	Priority	Justification	(\$,000)	(\$,000)
Ads#	Act		RL Grmby		FY 95	FY96P FY96I
1100-	-	DST Pumping Capabilities	A2 1	DST emergency pumping program development including equipment, procedures, and training. WAC 173-303 requires emergency pumping corrective actions to commence with 24 hours of discovering a tank leaker.		500
1100-	-	DST/242-A Part B Permits	A2	Responds to the State's expected Notice of Deficiencies comments and addresses issues/concerns relating to permitting. A final facility permit is required by the Tri-Party Agreement and WAC 173-303-800, "Permit Requirements for Dangerous Waste Management Facilities."		1,100
1100-	-	Environmental Compliance	A2	Required for continued tank farm operations. Funding required for maintaining environmental compliance with regulatory requirements.		5,000
1100-	-	LOW Vans and Gamma Leak Detection	A2	Performs vadose zone characterization and surveillances in and around tank farms. Leak detection and plume analysis are regulatory requirements under WAC 173-303.		900
1100-	-	Nuclear Safety Oversight	A2 1	Waste Tank Nuclear Safety assess the overall safety of each facility providing the independent review responsibility. Independent Nuclear Safety Oversight is required by DOE Order 5480.5, "Safety of Nuclear Facilities" and WAC HRP 5.23, "Nuclear Facility Safety."		1,100
1100-	-	OSR Implementation	A2 1	Supports required upgrades (procedures and hardware) needed to fully implement the DST/SST/AWF interim OSRs. Supports continued safe operations in Tank Farms and allows Tank Farms to fully implement the interim OSRs.		6,600
1100-	-	Planning and Administration	A2 3	Provides occurrence reporting, admin support, and the Tank Farms integrated planning function. DOE Order requirements and efficient planning and operation.		2,700
1100-	-	Program Element and Baseline Management	A2 3	Provides programmatic direction and program management support to the N1 program element. Baseline management and planning is required to support continued tank farm safe operations.		2,200
1100-	-	Rad/Haz Solid Waste Disposal	A2 1	Characterizes, packages, and disposes of newly generated radioactive/hazardous solid waste in tank farms. Solid waste characterization and segregation is required by WAC 173-303, "Dangerous Waste Regulations."		7,500
1100-	-	SST Emergency Pumping	A2 1	Completes SST T-111 emergency corrective actions and responds		300

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 9

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: D											
1100-	-	SST Emergency Pumping Preparations	A2	1	Maintains the emergency pumping capability of SST (i.e., SST Emergency pumping trailer, training, procedures, overground transfers capability, etc.), Emergency pumping of an identified SST leaker is required to minimize exposure to the environment. In addition, WAC 173-303 requires the prevention of migration of dangerous waste or dangerous constituents to ground water or surface water, if possible.					1,200	
1100-	-	SST Interim Stabilization	A2	4	SST pumping for stabilization including preparations for pumping. Includes required operations/maintenance/engineering activities, and KEH farm preparations. Tri-Party Agreement milestone M-41-0, "Complete Single-Shell Tank Interim Stabilization."					5,600	
1100-	-	SST Intrusion Prevention	A2	4	SST intrusion prevention is required to prevent liquids from re-entering the tank following stabilization. Tri-Party Agreement milestone M-41-0, "Complete Single Shell Tank Interim Stabilization."					1,000	
1100-	-	SST Stabilization Field Support	A2	4	SST pumping for stabilization including preparations for pumping. Field support includes crane and rigging, HPTs, QA/QC, management, etc. Tri-Party Agreement milestone M-41-0, "Complete Single Shell Tank Interim Stabilization."					5,900	
1100-	-	Safety Documentaion Upgrades	A2	1	Safety documentation upgrades continue withy DST FSAR/TSRs preparations, revision of DST/AMF/SST interim OSRs and 242-A FSAR update. Upgrade Tank Farms safety documentation to meet requirements of DOE Order 5480.21/22/23. Needed for upgrading the Tank Farms safety envelope.					5,600	
1100-	-	Tank Farm Assessments (Utilities and Services)	A2		Utilities and Services for Tank Farm surveillance/operations. Funding of electricity, steam/water, laundry, and solid waste burials is base safe operations.					11,700	
1100-	-	Tank Farm Facility Operations	A2	4	Performs facility operations in 200 East/West areas. This includes routing/transfer of low-level waste, sampling, farm control, etc.					20,600	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: D											
1100-	-	Tank Farm Industrial Hygiene and Safety	A2	2	Performs industrial hygiene monitoring and analysis of tank farms and personnel for a safe working environment. Regulatory requirement 29 CFR 1910-120, "Hazardous Waste Operations and Emergency Response," and OSHA required for worker protection.						4,300
1100-	-	Tank Farm Plant Cognizant Engineering	A2	1	Performs the System and Process engineering functions in tank farms required for continued safe operations. Engineering support is required for safe operations and maintenance activities in tank farms.						7,300
1100-	-	Tank Farm Plant Operating Procedures	A2	2	Maintains tank farm operational and administrative procedures. DOE Order 5480.19 requires review and/or revision of procedures every two years. A total of 524 procedures, 22 operator round sheets, 14 OSDs, and 14 OSRs will need to be reviewed and/or revised.						2,500
1100-	-	Tank Farm Training	A2	2	Tank farm training supports base safe operations. includes operator and maintenance training program. Personnel training and qualification is required by WAC 173-303-330, "Personnel Training," which states the facility owner or operation shall provide a program of classroom instruction or on-the-job training for facility personnel. In addition, DOE Order 5480.20 mandates a formal training program.						6,600
1100-	-	Tank Farms Coorrective/Preventive Maintenance	A2	1	Performs corrective/preventive maintenance to maintain a safe operating configuration in tank farms. Maintenance is required for base safe operations and is a regulatory requirement.						24,300
1120-0-		Configuration Management	A2	1	System P&IDs, Component Labeling, and Master Equipment List (MEL) for all tank farms. Implement CM plan. Implement Design Base Document Reconstitution program.						1,500
1120-0-		DST Qualification Life Extension	A2	4	TPA M-32. Provide the strategy to manage the Hanford waste tank system facilities and establish the service life of the facility systems, structures, and components. Service life of existing DSTs will expire without justification to continue use. Actual service life will not be managed and maximized.						1,100
1120-0-		Field Verify Essential Drawings	A2	1	Safety Initiative # 4c42. CAD covert, field verify and release all remaining essential and support drawings for tank						2,100

4/18/94

12:15 pm

Table: EM-30.db

Report #5

Sub

Ads# Act

Workscope Desc

Priority

RL Grmbly

Justification

(\$,000)

FY 95

FY95P FY95I

(\$,000)

FY 96

FY96P FY96I

Page 11

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-30 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

Case: D

Case	Sub	Workscope Desc	Priority	RL	Grmbly	Justification	(\$,000)	(\$,000)
							FY 95	FY 96
						farms. Continue without field verified drawings. Safety impact with drawings not verified to actual field configuration. Drawings unreliable for planning and operations.		
1120-0-		Resolve Site Electrical Assessment (Safety) Issues	A2		1	Correct remaining identified Site Electrical Assessment code deficiencies and future discovered deficiencies. DOE Order 6430.1A, General Design Criteria. Work with known electrical deficiencies. Provide the evaluations of power distribution system at the Tank Farms required for compliance with DOE order 6430.1A.		2,100
1120-0-		Systems Engineering	A2		3	DOE Order 4700.1, DNFSB Recommendation 92-4, Grumbly Safety Initiative. System Engineering Requirements/Trade studies would be delayed or not met.		200
1120-0-		Technical Integration and Planning	A2		3	Provide programmatic technical integration, planning, reporting, control, and management. Resources would be inadequate to effectively manage and direct the Upgrades Program activities.		2,000
1120-6-		W-314A Integrated Instrumentation Upgrade	A2		1	Full scale upgrade of the instrumentation system, the supervisory control and data acquisition system for 177 tanks in tank farms. Delay of evaluation of current instrumentation and related equipment and integration with ongoing near-term upgrades and projects. High maintenance of inadequate and unreliable instrumentation. Higher operating costs and inefficiencies without centralized control.		19,800
1120-6-		W-314B DST Ventilation Upgrade	A2		1	Upgrade ventilation system of 28 DSTs to ensure that radionuclide and hazardous content of the exhaust vapors do not exceed regulatory limits. Delay in the evaluation of the condition of all DST primary and annulus ventilation systems and replacement/upgrade as required in support of the TPA. High maintenance and continued regulatory non-compliance.		3,000
1120-6-		W-314D Electrical System Upgrades	A2		1	Upgrade power distribution system beyond the incoming switchgear. Delay in upgrade of power distribution system in support of TPA. Outdated motor control centers, power cables, and junction boxes will continue to be used and maintained with electrical safety risk.		2,100
1130-	-	Develop Analytical Procedures	A2			Provides new laboratory procedures for Hanford laboratories.		1,976

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ad#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: D										
1130-	-	Develop Hot Cell Analytical Instrumentation	A2		Individual new capabilities are based on DQO requirements. Provides new laboratory methods (hardware and software). Individual new capabilities are based on DQO requirements.					7,643
1130-	-	Develop In-situ Characterization Methods	A2		Provides capabilities for in-tank measurements. Individual new capabilities are based on DQO requirements. This task includes DNFSB 93-04 commitment 3.13.					4,100
1130-	-	Improve Field Sampling Methods	A2		Expands field sampling capabilities and improves recoverability of sample. Individual new capabilities are based on DQO requirements. This task includes DNFSB 93-05 commitment 3.16.					4,000
1130-	-	Integration/Transfer Technology to Labs	A2		Identifies technology development needs and transfers new capabilities to routine use. Individual new capabilities are based on DQO requirements.					3,200
1130-	-	Maintain 222-S lab readiness	A2	4	Maintains the lab support facilities and personnel to be ready to analyze TWRS tank samples. Failure to fund this task will impede the ability to provide basic lab analysis for TWRS.					5,631
1130-	-	Upgrade 222-S and 325 Labs	A2	4	This task improves lab capabilities to meet TWRS needs. Hotcell upgrades are needed to meet characterization requirements.					3,977
1210-0-		Program Definition, Planning, and Integration	A2	3	Provide program management, integration, baseline planning, budgeting and controls for retrieval technology, engineering, projects, and operations. Provides functional and technical requirements for the program. Provides for program interface, including regulators and stakeholders.					2,200
2200-0-		Minimum Case Solid Waste Operations	A2	2	Minimum case funding to maintain safe and regulatory compliant conditions to accept, store, and dispose of Solid Waste in compliance with RCRA Part B Permits for Solid Waste storage and disposal facilities.					18,644
2200-0-		Program Planning and Estimating	A2	3	Required to maintain safe configuration of facilities and provide Fiscal Year and Multi-Year Plans, ADS, SMS, PTS, and Program Planning.					6,767
2200-0-		Solid Waste Safety Analysis Reports	A2	2	Maintain safe configuration of facilities by developing and maintaining Safety Analysis Reports and other hazard analyses.					3,183
2200-0-		Special Waste Cask Storage	A2	2	This activity supports resolution of a safety issue					773

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: D											
2320-0-	a-WDS Safety Assurance		A2	2	and cleanout of the 300 Area hot cells which are needed to support TPA milestones M-10 and M-30-00. Assumes generators procure storage casks as needed. Continue correction of safety deficiencies for minimum safe status of facilities, continue facility training, update SARs, update and develop plant specific procedures, engineering/projects support to eliminate unsafe conditions and enhance facility safety, conduct of operations, routines/surveillances, radiological zone reduction, monitoring and operation of the PWR Core II spent nuclear fuel pool. Replace failed equipment and miscellaneous materials. (Continuous Air Monitors, Personnel Contamination Monitors, generators.) Upgrade the T Plant electrical system.					12,412	
2320-0-	b-T Plant Maintenance and Assessments		A2	2	Perform preventive maintenance, safety equipment calibration, winterization/summerization, critical repairs, maintenance engineering, and Job Control System for the minimum safe status of facilities. Target and decrement funding do not allow for increases in utilities: steam, electricity, water, laundry, electric maintenance. Upgrade the T Plant control room.					13,019	
2320-0-	c-T Plant Maintenance and Assessments (Waste Disposal and Compliance)		A2	2	Provide environmental engineering and compliance support in repackaging, treatment/repair, receiving and shipping of wastes/equipment. Supports TPA milestones M-17-41 and M-17-42, which direct the discharge of liquid effluents to T Plant ditches be stopped, and M-20-51 for the submittal of T Plant's Part B permit application to Ecology and EPA. Target and decrement funding do not allow for projected increases in waste volume and in waste disposal rates.					4,140	
2320-0-	d-Liquid Waste Transfers		A2	1	Maintain and certify Liquid Waste Tank Cars (LWTCs). The LWTCs are the primary liquid waste transfer system for T Plant, the 340 Facility, and the 400 Area. 300 Area liquid waste is generated by PNL that performs sampling and testing activities of Tank Farms' liquid waste, supporting Tank Farms' TPA milestone M-44. The LWTCs also serve as backup for other Hanford site facilities whose primary liquid waste					501	

4/18/94

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-30 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

12:15 pm

Table: EM-30.db

Report #5

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)			
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I	
Case: D											
2320-0-	e-Decontamination/Repair Services	A2	2	transfer system is hard piping. Target and decrement funding do not allow for possible increases in rail and track fees. Unable to provide decontamination and repair services for the Hanford site and treatment services essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its Long Length Contaminated Equipment (LLCE). The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste "nonrepairable/ nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA, to be consistent with waste minimization and reduction.						111	
2320-0-	e-Decontamination/Repair Services	A2	2	Unable to provide decontamination and repair services for the Hanford site and treatment services essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its Long Length Contaminated Equipment (LLCE). The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste "nonrepairable/ nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA, to be consistent with waste minimization and reduction.						472	*
2320-0-	f-Applied Technology and Equipment	A2	5	Procure and install containment systems and hazardous storage units to support decontamination activities.						547	
4110-0-	Applied Technology	A2		Ensure that appropriate decisions about applicable technologies are made and that defensible technology solutions are developed that are directly coupled to the SNF project needs. Significant reduction will severely impact the ability of Applied Technology group to meet its commitments. Technology needs are defined during the systems engineering analysis. Specifically treatment of basin water to remove tritium and technology development of a sludge						1,761	**

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: D											
4110-0-		Applied Technology	A2		retrieval/removal system will be delayed. These delays will impact reduction of personnel exposure and potentially add add'l insutel to the environment due to basin leakage. This could also impact the project's ability to achieve its TPA Ensure that appropriate decisions about applicable technologies are made and that definisble technology solutions are developed that are directly coupled to the SNF project needs. Significant reduction will severely impact the ability of Applied Technology group to meet its commitments. Technology needs are defined during the systems engineering analysis. Specifically treatment of basin water to remove trituim and technology development of a sludge retrieval/removal system will be delayed. These delays will impact reduction of personnel exposure and potentially add add'l insutel to the environment due to basin leakage. This could also impact the project's ability to achieve its TPA						239
4110-0-		Engineering and Systems Integration	A2		Establish technical baselines, produce systems, processes, and analyses which enable construction of facilities and physical remediation of spend nuclear fuels and their current facilities for the Hanford site. Would not be able to complete the characterization activities to support the schedule for removal of fuel and sludge from the K basins. This impacts TPA milestone M-33 which requires an agreed upon plan by 1996 for the removal of fuel by 2002. There would also be a delay of engineering necessary to provide consolidated interim storage and disposition of non K basin fuel. The preconceptual engineering studies supporting the FY 1997 Line Item would be delayed resulting in at least a						7,300
4110-0-		K Basins Operations	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include: plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and security.						30,626
4110-0-		PNL Support for Fuel Characterization and EIS	A2		Support fuel characterization for the N Reactor and other Hanford fuels for the disposition of the fuel. Also included is support for the EIS preparation. Provide support						6,600

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
		RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: D									
4110-0-	Project Baseline Control	A2		necessary to meet TPA milestones for Characterization, EIS, and disposition of the fuel. Impacts ability to establish and maintain credible budget baseline and Project Control/reporting requirements. Also impacts outyear forecasting.				1,500	
4110-0-	Regulatory Integration and Public Involvement	A2		Funding is needed to provide for the Public Involvement activities and Regulatory and Safety basins for current and future spent fuel disposition alternatives.				1,200	**
4110-0-	Spent Nuclear Fuel Projects	A2		This funding is needed to begin urgent upgrades to K Basin water supply, electrical dist., and fire protection system.				1,500	
4190-0-	B Plant Operations	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include managment, systems surveillance and mainteance, engineering, health and safety, assessments, and security.				30,296	
4195-0-	Cesium Capsule Recovery Program Support	A2	2	If unfunded, program management and technical support for cesium capsule program would be eliminated. Surveillance of cesium capsules stored at PNL would not be provided. FSAR requirements for surveillance of the capsules would not be met.				1,262	
7100-0-	a-222S Facility Operations	A2	1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the 222-S Laboratory Facility Complex to keep the facility in a ready-to-serve mode.				25,605	
7100-0-	b-325 Facility Operations	A2	1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the 325 Laboratory Facility Complex to keep the facility in a ready-to-serve mode.				11,500	
7100-0-	c-WSCF Operations	A2	1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the WSCF Complex to keep the facility in a ready-to-serve mode.				10,200	
7100-0-	d-Facility Operations	A2	1	Assessment to the TWRS program to support base operations.				(5,000)	
7100-0-	e-Facility CENRTC	A2	1	Capital equipment required to replace existing and obsolete equipment to support the ready-to-serve configuration.				3,800	
7100-0-	f-Program Integration	A2	3	Supports Hanford Analytical Services program management and				3,404	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: D											
7100-0-		g-Auxiliary Labs	A2	1	integration, and Quality Assurance. Provides for the routine operation, maintenance, and repair of the 2703E and 1706KE Laboratories in a ready to serve mode.					1,130	
7100-0-		h-Field Analytical Services	A2	1	This activity provides minimal base funding for the sample and mobile laboratories.					200	
7340-0-BA		Environmental Effluents (HPTs)	A2	2	Clean Air Act, 40CDR61/Unmonitored gaseous emissions					1,084	
7340-0-BA		Environmental Surveillance-Stabilized Sites	A2	2	Ensure containment of contamination/Increase risk of contamination					1,049	
7360-	-	Process Spares	A2		Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.					364	
8400-0-DA		Waste Management Operations	A2	2	Regulatory requirement to manage PNL hazardous and radioactive wastes. If not funded, fines may result for violations of numerous environmental and safety regulations.					3,907	
8400-0-FA		242B/BL & 2718E PNL Lab Surveillance and Maintenance	A2	2	Regulatory requirement for regular inspections to maintain safe storage of unmanned, contaminated lab spaces. If not funded, would increase safety risks to an unacceptable level.					92	
8400-0-MA		Effluent monitoring	A2	2	Regulatory requirement for monitoring PNL air and liquid effluent streams to verify compliance. Includes effluent path verification, stream characterization, sample collection and analyses, mobile field monitoring, and operation and maintenance of sampling/monitoring systems. If not funded, fines may result for violations of environmental laws and facilities may be forced into shutdown.					3,513	
8400-0-NA		Essential ES&H drawings	A2	2	Provides as-built drawings for the Hazard Class II Buildings safety systems modifications and investigations of occurrences. If not funded, health and safety hazards in the facility will not be corrected adequately.					854	*
8400-0-TA		324 Bldg Hot Cell Facility Surveillance and Maintenance	A2	2	Regulatory requirement for regular inspection of radioactive materials and safety systems. If not funded, significant worker safety issues and the potential for a release of radioactive material to the environment would increase.					2,820	
1100-	-	Issues/Corrective Action Management	B1	2	Facilitates corrective action management for TWRS on existing and emerging safety, environmental protection, and conduct of operations conditions. Required in order to perform risk					1,800	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: D										
1100- -	QA/QC	B1	1	evaluations, root cause analysis, performance evaluations, and issue closures. Provides environmental safety, health, and quality assurance support to routine tank farm operations and maintenance activities. DOE Order 5480.1B requirement which establishes the environmental protection, safety, and health programs (ES&H) requires quality assurance and control functions.					2,000	
1100- -	Tank Farm Security	B1	1	Administers physical and industrial security measures supporting the Tank Farm complexes. Security requirements per DOE-N-30.3A. In addition, MAC 173-303-310, "Security," requires control access and monitoring.					400	
1120-2-	W-030 AY/AZ Primary Ventilation	B1	1	Replace primary ventilation system for AY/AZ tank farms in compliance with TPA milestone M-34-01. Operate systems and components which have exceeded their design life. Failure to comply with congressionally directed DOE plan to discontinue disposal of contaminated liquids to soil column (processing cooling water).					1,500	
1120-4-	W-058 Cross Site Transfer System	B1	1	Provide encased pipelines to connect the SY Tank Farm, 200 W, to the 200 E tank farms in compliance with current codes and regulations. Operate existing system which does not conform to all current regulatory requirements and has a questionable life.					18,300	
1120-6-	W-314C Waste Transfer Lines	B1	1	Upgrade inter-area waste transfer system to ensure compliance with RCRA and MAC leak detection requirements. Delay in completion of compliant transfer lines and integration with the future cross-site transfer system.					1,800	
1120-7-	W-028 Aging Waste Transfer Line	B1	4	Required to provide a reliable long-term high heat liquid waste transfer system from B Plant to treatment facilities. The existing waste transfer system is not in compliance with 40 CFR 264 and current DOE orders. Continued use of the present system could result in potential safety and health hazards during pretreatment and removal of B Plant waste.					600	
1130- -	Analyze Supernate Sample (DST Part B Permit)	B1	4	This task analyzes DST supernate samples. Supernate analysis are required for the RCRA part B permit approval.					4,301	
1130- -	Analyze Supernate Sample for SST Stabilization and 242-A Evaporator	B1	4	This task analyzes supernate samples. Supernate analysis are required to support 242-A evaporator operation and SST					2,300	

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 19

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: D										
		Operation			stabilization.					
1130-	-	Sample supernate to support RCRA and process DST requirements	B1	4	Collects samples of double-shell tank supernate. The hazardous waste permit specifies sampling requirements. Add'l samples are required to support 242-A evaporator operations.					2,341
1200-	-	Business management	B1	3	Prepare TWRS Master Site Plan based on known conformation or best assumptions from individual projects. Provide minimum business management for all TWRS projects. Increased cost in TWRS projects due to duplication and mismatches and non-compliance with DOE 4700.1.					1,786
1200-	-	Compliance Coordination	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.					301
1200-	-	Define Compliance Requirements	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.					160
1200-	-	Establish Requirements Envelope	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.					510
1200-	-	Mapping and Marking	B1	6	Mapping of underground lines carrying dangerous waste is required by the Dangerous Waste Permit. Lines outside of Tank Farms will not be marked placing WHC in violation of Permit and subject to fines.					852
1200-	-	Program Management and Support	B1	5	Essential program management of TD and overall integration of					3,345

4/18/94

12:15 pm

Table: EM-30.db

Report #5

Sub

Ads# Act

Workscope Desc

Priority
RL Grubly

Justification

(\$,000)
FY 95

FY95P FY95I

(\$,000)
FY 96

FY96P FY96I

Page 20

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-30 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

Case: D

Case	Sub	Workscope Desc	Priority RL Grubly	Justification	(\$,000) FY 95	FY95P FY95I	(\$,000) FY 96	FY96P FY96I
1200-	-	Program Planning	B1 5	technology needs; supports, TDPO to manage the TWRS integrated technology planning and technology groups in TWRS functional areas. Without coordination and planning, technology development will increase in cost and fail to meet the needs of the TWRS program. Lack of commercial and academic sources built subject the program to further criticism for lack of participation.			6,158	
1200-	-	Self Assessment Program	B1 5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitment by DOE and WHC will not be met.			327	
1200-	-	Site Integration	B1 3	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the environmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.			1,033	
1200-	-	System Engineering Tools	B1 5	Prepare TWRS Master Site Plan based on known conformation or best assumptions from individual projects. Provide minimum business management for all TWRS projects. Increased cost in TWRS projects due to duplication and mismatches and non-compliance with DOE 4700.1.			457	
1200-	-	System Engineering Tools	B1 5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by				

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 21

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: D											
1200-	-	Systems Engineering Management Plan	B1	5	DOE and WHC will not be met. Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.						552
1200-	-	Systems Engineering Management Plan	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.						489
1200-	-	TWRS EIS	B1		The ROD is required to start design for pretreatment, LLW, and HLW facilities. Delaying preparation will cause delays in initiating design of the 3 plants (TPA milestones) and related follow-on milestones.						5,266
1200-	-	Technology Development and Program Office	B1	5	Essential program management of TD and overall integration of technology needs; supports, TDPO to manage the TWRS integrated technology planning and technology groups in TWRS functional areas. Without coordination and planning, technology development will increase in cost and fail to meet the needs of the TWRS program. Lack of commercial and academic sources built subject the program to further criticism for lack of participation.						2,554
1200-	-	Test/Evaluation Management	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and						95

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 22

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: D										
					obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WMC will not be met.					
1200-	-	Total Quality Management	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.					652
1210-0-		Define Arm-Based SST WR Project	B1	3	Define and establish the first arm based retrieval project engineering trade studies necessary to bound project scope, establish functional requirements, complete the engineering study and project documentation necessary to obtain key decision 0. If not funded, may delay TPA milestone M-45-03.					1,800 *
1210-0-		Prepare Closure Reg. Requirements Assessment	B1	6	Prepare analysis of federal and state regulation to identify issues relating to closure of SSTs. Update SST closure work plan. Delays TPA milestone M-45-06.					800 *
1220-	-	Conduct System Engineering and Trade Studies (Part III)	B1	4	Needed to provide a final design description with sufficient detail to provide a firm technical basis for follow-on design activities. Delays start of design activities for LLW and HLW pretreatment facilities, as well as enhanced sludge washing.					1,837
1220-	-	Define F&R for HLW Pretreatment Facility	B1	4	Needed to support waste treatment prior to processing LLW pretreatment facility. Adversely impacts TPA milestone M-50-01T01 in FY95 and potentially delays LLW processing; ineffective cesium removal also increases the need for shielding in the LLW vitrification plant.					3,100
1220-	-	Define F&R for HLW pretreatment facility	B1	4	Needed to provide engineering support during the conceptual and advanced conceptual phases of HLW pretreatment facility(ies) design. Lack of function and requirements would delay the initiation of design activities.					441
1220-	-	Define F&R for LLW Pretreatment Facility (Part III)	B1	4	To provide FDC documents necessary to initiate projects. Function and Requirements would not be available for the initiation of design activities.					617

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 23

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: D											
1220-	-	Develop Flowsheets and Applied Tech. Evaluation (B)	B1	4	Needed to support effort to determine whether advanced sludge separation processes are required, M-50-03. Jeopardizes completion of TPA milestone and delays or creates great uncertainty for the LLW/HLW pretreatment plants and possibly LLW/HLW vitrification plants.					1,834	
1220-	-	Perform Technical Integration and Planning	B1	3	Provide program oversight and integrate pretreatment activity requirements. Planning and program element management would not be performed.					2,984	
1220-	-	Prepare Advanced Conceptual Design (ACDR)-LLW	B1	4	Needed to support Title I design. Delay of Title design and M-50-01-T02.					3,000	
1220-	-	Prepare Title 1 - LLW Mod 1	B1	4	Definitive design must be completed prior to start of construction. Delay start of construction impacts TPA milestone M-50-01.					11,421	
1230-	-	Disposal Systems	B1	4	Technology studies to support disposal systems engineering studies and designs. provide technical input to PA. This work is necessary to eliminate the conservatism in the PA and better reflect the longterm performance. Determination of the best disposal system for LLW glass will be delayed which will impact the PA and design/construction of disposal facilities. This will impact ORR since disposal systems will not be available.					1,200	
1230-	-	Grout Facilities	B1	1	Compliance with TPA milestones to maintain facilities in standby. The withdrawal of funding for the Grout Facilities would violate stated and federal requirements for an operational facility. From a regulatory perspective, Grout is an operational (albeit standby) facility as stated in the TPA. Minimum regulatory requirements for an operational facility include periodic inspections, personnel training, reporting, and recordkeeping.					700	
1230-	-	Integrated Process Systems	B1	5	Performance of technology assessment of all unit operations associated with the LLW vitrification facility. The primary focus will be on melter support systems (off-gas, feed systems, product handling, recycle systems, etc.). Delaying integrated process systems will delay the design of vitrification system. This includes items such as off-gas, feed handling, and glass handling systems. Delay to TPA					1,800	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: D											
1230-	-	Matl. Properties Handbook Database	B1	5	Establish database for LLW to include formulation, simulant, glass types, leach rates, glass quality, and etc. Publish glass properties handbook with pertinent data. Impact would be delay issuing handbook and having a database for project participants to work from using same basis. This means a mismatch between design, PA, permitting.					100	
1230-	-	Melter Technology Selection	B1	5	Evaluate the ability of different melter technologies to vitrify low-level waste. Activity will span FY 94 thru FY96. Develop melter technology selection criteria, perform melter testing of multiple technologies with outside vendors and select the optimum melter technology for the vitrification of LLW. Will not meet the TPA milestones for melter testing and selection of a melter system. This impacts the selection of 1996 of vitrification which impacts start of design construction, permitting. The impact would be a day-and-one-half-day-for-day delay.					3,600	
1230-	-	Misc. Technology Studies	B1	5	Development of handling techniques for vitrified product, waste form placement and etc. Where an engineering solution is not apparent, development of new technology will be developed. Impact would not allow looking at and evaluating privatization proposals, evaluations of activities by other sites or DOE that could be used by LLW. Impact would be an increased risk that items mentioned would not be resolved in a timely manner.					1,000	
1230-	-	NEPA Documentation	B1	4	Support preparation of the data packages going to TWRS EIS contractor. Completion of the data packages is necessary for the EIS contractor to complete the EIS and calculate impacts of the TWRS program to the public. The EIS is on the critical path for the LLW program. Lack of funding for those critical path activity will have negative schedule impact upon the LLW disposal program essentially day for day.					300	
1230-	-	Non-Vitrifiable LLW Systems	B1	4	Results in the information required to generate the basis for stabilization, treatment, and disposal of these non-vitrifiable products. Impact delays identification of technologies to handle waste streams that will not be					2,100	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: D											
1230-	-	Packaging Materials and Characterization	B1	4	captured in the LLW glass. Such as off-gas HEPA filters. Ensure that vitrified LLW and waste packaging materials are compatible and all LLW PA requirements are met. Develop glass quality requirements. Impacts to funding would delay construction and design of disposal/storage facility by 3-5 years if we do not determine up front the proper type of matrix materials, characteristics of glass and matrix material to meet long term disposal. Will impact approval of PA.						1,900
1230-	-	Perform engineering studies, Select baseline	B1	4	This activity evaluates potential sites for locating the process and storage/disposal facilities for LLW vitrification in the 200 Areas. Site selection is required to initiate the project. Lack of FY95 and FY96 would prevent issuance of the site selection report and would result in a day-for-day delay.						700
1230-	-	Permitting	B1	4	Development of Part A, initiate Part B, and other related and required permits supporting design and construction activities. Programmatic technical risk and delays to construction TPA milestone.						400
1230-	-	Pilot scale vitrification	B1	5	Design and fabricate LLW pilot scale vitrification system which is capable to being fed radioactive material. This system will be utilized in glass formulation verification. The pilot plant will be designed with the capability to process radioactive waste should the A/E deem that necessary. Impacts of funding cuts in FY 95 and FY 96 would delay design and construction of facility based on strategy of having the AE/contractor build a pilot plant if necessary. Pilot plants are thought to be critical to the success of the facility.						2,100
1230-	-	Prepare Process Flowsheets	B1	4	Prepares LLW process flowsheets. This activity includes material balances, process description, assumptions, and rationales. This activity provides the technical basis for facility equipment, interfaces (utilities, process pipelines, etc.) and sizing. Failure to fund this activity in FY 95 and FY 96 would increase costs to the A/E in design, where this activity would need to be done. Lack of flowsheets would also increase risk of properly managed TWRS						100

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: D										
					interfaces.					
1230-	-	Product Quality Acceptance	B1	5	This will define vitrification product quality criteria. This would delay how we monitor the waste form and disposal system, delaying the Part B permit.					1,200
1230-	-	Safety Documentation	B1	4	Prepare Hazard Classifications for the preconceptual design activities in FY 95 and FY96. Lack of funding will place the program at technical risk for the future levels of design, validation, and safety implementation required of the program for startup.					100
1230-	-	Simulant Development	B1	5	Definition of LLW vitrification feed specs. Develop and procure simulant for melter technology testing. The simulant development directly supports melter testing and delaying simulant delays testing of melters. Minimum of a day-for-day delay.					500
1230-	-	Vitrification oversight/planning	B1	3	Provide management technical direction for all technically related activities (melters, simulants, formulation, pilot plant, etc.). This is an account for the technology group to provide support to the program office. Impacts would be slow down planning, administrative activities, and implementation of technology strategy.					300
1280-	-	Construct 6 New Tanks	B1	1						110,000
2200-0-		Solid Waste Permitting and Closures	B1	6	This activity includes approval and maintenance of five Part B Permits and initiation of LLBG Closure.					4,125
2200-1-		Enhanced RMW Storage-Phase V (W-112)	B1	2	This project provides add'l RCRA compliant mix waste storage capacity, including utilities and office/maintenance areas, support the SW operations complex. Activities provided are capital construction of storage buildings, capital procurement of automated systems, and construction start of the shipping/receiving area and transfer corridor. Facility SAR, Part B permit, and equipment development would will continue.					8,894
2220-1-		WRAP 1 (W-026)	B1	2	Provides facilities to characterize (sample) and repackage low-level mixed waste and suspect transuranic waste. Funding at the Decrement case results in completion construction of this facility to satisfy TPA milestone M-18-01. Startup activities will be phased such the low-level waste line is operational to meet the TPA. This activity provides minimum					1,616

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 27

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: D										
2220-1-		WRAP 1 (W-026)	B1	2	required funding to continue startup preparations including operations procedure preparation, maintenance procedure preparation, ATPs review, preparation of OTPs preparation of environmental procedures and plans to meet Part B requirements, facility construction review, continue preparation of Personnel Training Certification Packages, and Provides facilities to characterize (sample) and repackage low-level mixed waste and suspect transuranic waste. Funding at the Decrement case results in completion construction of this facility to satisfy TPA milestone M-18-01. Startup activities will be phased such the low-level waste line is operational to meet the TPA. This activity provides minimum required funding to continue startup preparations including operations procedure preparation, maintenance procedure preparation, ATPs review, preparation of OTPs preparation of environmental procedures and plans to meet Part B requirements, facility construction review, continue preparation of Personnel Training Certification Packages, and				9,350	*
2300-0-		200 Area ETF Operations	B1	1	Provides for LERF, ETF, and TEDF Operations. Includes full WSCF lab support. Impacts: TPA M-17 and M-26 milestones are missed and 242-A Evaporator is shut down which impacts numerous TWRS milestones.				7,500	*
2300-0-		200 Area ETF Operations	B1	1	Provides for LERF, ETF, and TEDF Operations. Includes full WSCF lab support. Impacts: TPA M-17 and M-26 milestones are missed and 242-A Evaporator is shut down which impacts numerous TWRS milestones.				21,972	
2300-0-		200 Area Systems Engineering-Tritium Study	B1	5	Evaluates tritium removal technology and prepares yearly status report. Impacts: TPA M-26-05 milestone would be missed.				137	
2300-0-		300 Area Liquid Effluent Facilities Operations	B1	1	Provides compliant operations of 300 Area TEDF, 340 Facility and 307 Basins. Includes System Engineering study on secondary waste minimization (\$209k). Impact: Failure to operate would cause closure of 300 Area facilities, including labs and delay TWRS TPA milestones associated with core sampling analysis and tank safety investigations.				11,801	
2300-0-		340 Facility 2nd Containment/Leak	B1	2	Provides for engineering to support FY 97 Line Item for				114	*

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: D										
		Detection (Project W-302)			replacement of the 300 Area Radiation Process Sewer and 340 Facility. Impacts: Non-compliance with WAC/RCRA for tank systems secondary containment and leak detection requirements. Possible fines or shutdown causing closure of 300 Area Facilities including labs and delaying TWRS TPA milestones associated with core sampling and safety investigations.					
2300-0-		Program Management	B1	3	Provides the planning, budgeting, statusing, performance monitoring, customer interface, and program direction for the Liquid Effluents Program. Impacts: TPA M-17 and Consent Order DE-91NM-177 milestones missed and TPA Article XLVIII, paragraphs 138/139 Cost, Schedule, and Scope Planning and Reporting not supported.				927	
2300-0-		Program Management	B1	3	Provides the planning, budgeting, statusing, performance monitoring, customer interface, and program direction for the Liquid Effluents Program. Impacts: TPA M-17 and Consent Order DE-91NM-177 milestones missed and TPA Article XLVIII, paragraphs 138/139 Cost, Schedule, and Scope Planning and Reporting not supported.				600	*
2300-1-		Phase II BAT/AKART (Project W-252) Partial funding	B1	5	Continues project support and provides partial funding for construction of Phase II streams BAT/AKART implementation for Tank Farms, B-Plant, and 284-E Powerplant to meet Oct 97 M-17 milestone. Impact: TPA M-17-00B milestone would be missed.				12,592	**
2320-2-		g-Project W-259, T Plant Secondary Containment and Leak Detection	B1	2	Initiate Advanced CDR, Definitive Design and permitting. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.				2,362	*
2320-2-		g-Project W-259, T Plant Secondary Containment and Leak Detection	B1	2	Initiate Advanced CDR. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.				178	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: D										
4110-0-		KE Encapsulation	B1	1	Failure to encapsulate the fuel in K East Basin will allow fuel degradation to continue unchecked, in direct contact with the basin water. This, in turn, will increase the sludge inventory and continually add radioactive contaminants to the water. Evaporation then emits contaminants to the atmosphere through gaseous effluent discharges. Failure to encapsulate fuel will directly impact the ability to meet TPA milestone M-34-00.				6,277	
4110-0-		KE/KW Essential Systems Upgrade	B1	2	If not funded, the seismic problems identified during an RL surveillance will not be corrected. The security system maintenance problems and costs will continue to increase due to antiquated systems and unavailability of spare parts. Fire protections risks will increase, particularly in the fuel storage basins; where property loss due to a fire would be several million dollars and could be accompanied by release of on-site contamination.				1,274	*
4110-0-		S/RIDS - K Basins	B1	2	Provide documentation of adherence to standard records control.				200	
4190-0-		B Plant Environmental Compliance	B1	2	Funds ongoing management of the liquid and gaseous effluent systems, NESHAPs, Part B Permit, and Tank Integrity Assessments. If not funded, B Plant would be in non-compliance with RCRA, WAC, and CAA; as well as miss critical TPA milestones.				2,020	
7100-0-		k-LIMS development/implementation	B1	1	The Laboratory Information System (LIMS) is required to replace the outdated system at 222-S and provide new systems for 325 and WSCF. This project is currently ongoing with continued implementation of new features and functionality through systems configuration and development activities. An add'l \$1.7M is funded by TWRS characterization ADS 1130.				1,600	*
7100-0-		l-222-S Laboratory Facility Renovations	B1	1	Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds two rooms in FY 1996. An add'l \$2.8M in FY 1996 is funded by the TWRS Characterization ADS 1130.				300	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: D										
7100-0-		l-222-S Laboratory Facility Renovations	B1	1	Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds two rooms in FY 1996. An add'l \$2.8M in FY 1996 is funded by the TWRS Characterization ADS 1130.				1,800	*
7100-0-		m-325 Facility Renovations	B1	1	Capacity upgrades required to support at the ready-to-serve level. An add'l \$2.3M in FY 1996 is funded by the TWRS characterization ADS 1130. Renovate add'l square footage of the Radiochemistry Laboratory Suite and the Inorganic Analysis Laboratory Suite. Failure to receive the funding to continue the renovation of these laboratory areas will leave the ACL with a reduced analytical capacity from that which was originally available. This is due to the fact that the renovations will be interrupted mid-way through the process and the laboratory suites will be left in a state of partial completion.				1,500	*
7100-0-		p-222-S Productivity/process improvements	B1	1	This funds efforts to bring the cost per sample analysis down by implementing cost-saving improvements that require up front investment.				1,300	
7100-1-		i-Project Support under Directive	B1	3	Expense support to projects authorized under directive and preliminary engineering studies to examine the feasibility and workscope of a proposed project.				775	
7100-3-		k-219-S Tank Upgrades (W-178) M-32	B1	2	This project will provide the 219S facility with secondary containment for tanks 101, 102, and 103. The project is required to support the TPA milestones M-32 and the Part B permit for the 222-S.				811	
7110-0-		o-Expense Support to Projects	B1	1	Engineering studies, FDCs, CDRs, and conceptual planning for the candidate construction projects. Supports continued availability of laboratory facilities.				169	
7250-0-AE	HMP		B1	3	Revise Hanford Mission Plan "Site Guidance" based on Systems Engineering and new requirements on decisions; prepare add'l Hanford Strategic analysis material balances to add process options proposed by SE or stakeholders; and maintain existing material balances to remain current with program decisions.				1,052	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: D										
7250-0-AI		MYPP Coordination	B1	3	This activity results in the development of the Hanford technical, schedule, and cost baseline documents which performance will be measured against. The development of the Site Integrated Schedule will be a direct product and outcome of the Hanford programmatic baseline information. This activity provides for training to develop improved methods for activity based planning and cost estimating. Technical cost assessments and reviews are performed in order to assure compliance with DOE requirements and WHC procedures. Baseline technical reviews provide an independent validation of workscope.					1,629
7330-	-	Air and Water Permitting	B1	2	Supports regulatory Air and Water Permitting activities for the Hanford Site. Supports site-wide storm water permit, UIC, drinking water, and other related regulations required by Clean Water Act, support compliance with Clean Air Act site-wide air operating permit requirements. Criminal and civil penalties for noncompliance.					880
7330-	-	Environmental Reporting	B1	2	Supports preparation of mandatory regulatory reports. Supports annual Tri-Party Agreement M-26 milestone requirements and Clean Air Act sitewide operating database maintenance.					1,712
7330-	-	Program Administration	B1	2	Provides program management/financial administration for the program.					468
7330-	-	RCRA Permitting	B1	2	Supports regulatory RCRA permitting coordination, issue resolution, and assurance of consistency for the Hanford Site. Failure to comply with Hanford Facility RCRA/Dangerous Waste permit if not funded.					399
7330-	-	Regulatory Field Support	B1	2	Supports facilities in identifying and complying with regulatory requirements/documentation of regulatory audits/inspections.					1,003
7330-	-	TSD Permit Requirements	B1	2	Supports activities required by the Hanford Facility RCRA/Dangerous Waste Permit. Specific requirements include: facility-wide inspections, permit waste inventory, closure costs and waste minimization activities, permit recordkeeping and retrieval, and compliance oversight coordination.					1,964
7330-	-	Tri-Party Agreement Integration	B1	2	Supports TPA Hanford Site Integration. Failure to provide					828

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: D										
					adequate support will impact coordination of TPA implementation and negotiations.					
7332-	-	Pollution Prevention	B1	2	Supports pollution prevention reporting requirements and general program development for the entire Hanford Site.					576
7340-0-AA		Capital Equipment	B1	2	New or replacement equipment for environmental monitoring, 40CFR61, 40CFR265/Monitoring equipment no longer functional as equipment fails.					2,000
7340-0-AC		Groundwater Monitoring	B1	2	Samples collected and analyzed in support of RCRA, SDWA, CSW, and 40CFR265 requirements/Noncompliance will place GW and public at risk					3,061
7340-0-AC		Groundwater Monitoring Well Sampling and Analysis	B1	2	Samples collected and analyzed in support of RCRA, SDWA, CWA, and 40 CFR 265 requirements. Noncompliance will place GW and public at risk.					2,256
7340-0-AC		Purgewater Disposal	B1	2	Maintains compliant disposition of purgewater/Stored purgewater would cause greater costs					256
7340-0-AD		Groundwater Well Maintenance/Decommissioning	B1	2	Well must be maintained for groundwater monitoring, 40CFR265/Without wells, GW monitoring does not function					2,353
7340-0-BA		Effluent and Environmental Monitoring 200/600	B1	2	Clean Air Act, 40CFR61/Reporting requirements would be noncompliant and an unsafe practice if not performed					3,683
7340-0-BA		NESHAP Compliance Support	B1	2	Study new or replacement monitoring requirements for NESHAP Compliance/Noncompliance with EPA-NESHAP Orders					987
7340-0-BB		Inactive Crib Monitoring (Vadose Zone)	B1	2	Monitors vadose zone for contamination spread/Expensive core sampling					1,084
7340-0-BB		Seismic Monitoring	B1	2	Maintain surveillance of the Hanford Site and surrounding portion of eastern Washington/Could prohibit future construction					491
8400-0-AA		Refrigerant Replacement program	B1	2	Regulatory requirement to phase out the use of regulated refrigerants. If not funded, fines may result from violations of environmental laws.					300 *
8400-0-BB		Cultural Resources Management	B1	2	Partial funding towards regulatory requirement for protection of Hanford Site historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform CR reviews in piece-meal fashion.					203
8400-0-CA		Public Safety and Resource Protection Program	B1	2	Independent assessment of the impacts of Hanford on the environment and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site					3,600 *

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
8400-0-CA		Public Safety and Resource Protection Program	B1	2	Environmental Report; provides meteorological/climatological services, samples and characterizes groundwater. Provides dosimetry coordination, analytical support services, Native American interaction, NEPA characterization, a grant to Nature Conservancy, and public/educational outreach activities. Failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations, and the public as baseline information on Hanford environmental status.				8,957		
8400-0-EA		RMW Storage Tank Inspection (PNL)	B1	1	Independent assessment of the impacts of Hanford on the environment and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site Environmental Report; provides meteorological/climatological services, samples and characterizes groundwater. Provides dosimetry coordination, analytical support services, Native American interaction, NEPA characterization, a grant to Nature Conservancy, and public/educational outreach activities. Failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations, and the public as baseline information on Hanford environmental status.				1,536	*	
8400-0-KA		Pollution Prevention Program	B1	2	Regulatory compliance for inspection of highly radioactive storage tanks. If not funded, tank integrity cannot be demonstrated, leaks may not be stopped, and the potential for release of radioactive material to the environment may increase.				535	*	
8400-0-LA		NEPA compliance program	B1	2	Regulatory requirement for pollution prevention program. If not funded, the RCRA hazardous waste manifest cannot be approved resulting in the inability to ship hazardous and radioactive mixed waste to disposal/storage facilities.				576		
8400-0-PA		RCRA Permitting	B1	2	Regulatory requirement to assess environmental compliance of PNL programs. If not funded, fines may result and facilities/programs may be shut down.				109		
					Regulatory requirements for permitting basic research in the treatment of RCRA hazardous wastes. If not funded, would result in failure to meet TPA milestones, potential fines for						

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: D										
1100- -	Purchase HLLW Cask and Pumping System	B2	1	RCRA violations, and shutdown of operations. Required for SST emergency puming in the event of a leaker. Tri-Party Agreement milestone M-41-03B, "Delivery of the mobile high-level waste transport cask."					1,700	
1120-0-	Engineered Tank Farm Hardware	B2	4	Develop transfer pumps for tank farm wastes. Develop design guide for equipment to be installed in tanks. Higher fiscal and environmental costs associated with equipment which does not consider life cycle costs in their design.					1,300	
1120-0-	Liquid Level Gauges	B2	4	Installation of new liquid level gauges on all DST and SST with surface liquid. Continue operation of unreliable high maintenance system.					1,700	
1120-0-	Long Length Contaminated Equipment Disposal	B2	4	Develop protocol and hardware for the disposal process. Failing to implement such a strategy has an estimated cost impact of over \$1 Billion.					2,200	
1230- -	Program Management	B2	3	Providing overall management and guidance of the program. Preparation and submittal to customer of business plans (FYWP, MYPP, ADS). Support to public involvement and systems engineering process. Path to success for HLW. Should this activity be reduced or cut, the thread of the program would be lost. This is a major part of the success of LLW. Would impact TPA milestone.					2,800	
2320-1-	h-Project C-077, T Plant Ventilation Upgrade	B2	2	Complete the Advanced CDR. The upgrade is required for: 1) worker safety/ALARA (10 CFR 835), calls for the minimization of the spread of airborne rad contamination within the 221-T canyon; 2)worker efficiency (DOE Order 6430.1A), canyon access is limited to 15 minute intervals per worder during 80 degree or higher temperatures in the summer, extending the intervals beyond 15 minutes increases the risk of skin contamination due to perspiration. Conversely, inadequate heating systems have created freezing conditions during the winter. Respirator face plates tend to fog in cold conditions, creating serious safety hazards for personnel; and 3) negative differential pressure (WAC 173-400), to					266	
7360- -	Essential Materials	B2		Includes container/drums to store waste.					23	
7360- -	Radio equipment	C1		Radio equipment including cellular phones.					4	
7360- -	Telecommunication	C1		Parts for faxes, computers, radios, and telephone equipment.					48	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: D											
1120-0-		Control Room Upgrades	C2	4	Upgrade the control room instrumentation and electrical systems to replace equipment not in compliance with current standards and regulations. Non-compliance with standards and regulations.					900	
1120-0-		Electrical and I&C GPP Definition	C2	4	Identify General Plant Projects required to support electrical and I&C upgrades. Necessary instrumentation and electrical upgrade General Plant Projects will remain undefined and unworked.					600	
1120-0-		TMACS All Remaining Tanks	C2	4	Completion of the installation of new thermocouples and continuous temperature monitoring systems in all tanks. Operators continue periodic rounds to take thermocouple readings as opposed to remote/continuous/automated temperature monitoring.					900	
1120-0-		Upgrade Operating Procedures	C2	4	Upgrade of the operating procedures to support operations and maintenance activities. Operating procedure will not be in compliance with current standards and regulations.					700	
1130-	-	Operate offsite Characterization Lab to support TWRS/Analyze	D1	4	Provides containers for sending samples offsite. Offsite labs are required to meet schedule commitments.					9,800	
1130-	-	Screen Non-Watch List tanks for safety issues	D1		This task is add'l core sampling. Add'l capacity is needed to meet DNFSB 93-08 schedule commitments.					1,000	
1200-	-	Acquisition management	D1	4	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.					69	
1200-	-	Business Management/Integration	D1	3	Provide appropriate business management control of TWRS projects. Poorly managed projects and non-compliance with DOE 4700.1.					1,065	
1200-	-	Business management	D1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track status, and measurement performance as requested by DOE orders and good management.					121	
1200-	-	Clerical Support	D1	3	Provides for GSS Contractor, clerical support, and support to other DOE laboratories.					388	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: D											
1200-	-	Communications and Building Management	D1	3	Division level communications, administration, employee recognition, and building administration. Significant reduction in morale of TWRS employees.					1,158	
1200-	-	DOE Lab Support	D1	3	Provides for GSS Contractor, clerical support, and support to other DOE laboratories.					799	
1200-	-	Employee Concerns/Suggestions	D1	4	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.					140	
1200-	-	General Supply Service Contractor	D1	3	Provides for GSS Contractor, clerical support, and support to other DOE laboratories.					4,616	
1200-	-	Information Resources Management	D1	4	Establish and maintain a TWRS centralized information resources management system, including computer databases, document control, and record management. The element includes development of appropriate software and acquisition of hardware to support the program. Continued decentralized, mixed, and contradicting data, which will affect two TPA milestones and put program out of compliance with Program Management Plan and Annexes.					2,237	
1200-	-	Program Management	D1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.					214	
1200-	-	Program Management and Support	D1	5	Increase staff and contract help to expand technology vase in support of privatization, systems engineering, ad dedicated end function program management. Overall reduction in technology support would increase risks of not having alternative technologies to support program.					1,172	
1200-	-	Program Planning	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program.					1,711	

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: D										
					Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.					
1200-	-	Public Involvement Execution	D1	6	Provides limited planning for mandatory program level public involvement and building administration. Failure to plan or have quality public involvement will destroy credibility.					50
1200-	-	Public Involvement Management	D1	6	Provides limited planning for mandatory program level public involvement and building administration. Failure to plan or have quality public involvement will destroy credibility.					124
1200-	-	Re-engineering and Production	D1	4	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan, and individual Qualification and Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.					687
1200-	-	Readiness Review Management	D1	4	Manages the formal ORR program for all TWRS activities. Greatly increases risk of approving startup/restart of facilities and forces non-compliance with DOE 5480.31 which requires independent ORR. Can affect future mixer pump installation and numerous TF upgrades in FY95.					291
1200-	-	Systems Engineering Management Plan	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.					53
1200-	-	Systems Engineering Tools	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.					1,065
1200-	-	Training and Qualification	D1	4	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in					276

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
7250-0-AA	Risk Assessment	D2 3	productivity initiatives and non-compliance with DOE orders and DNFSB commitments. Integrated Risk Assessment Program (IRAP) develops and implements methodology for site-wide risk assessments. IRAP estimates risk to the public, workers, and ecosystem for three time periods: at the current time, during remediation, and for the final site end-state. At the FY 1996 decrement level, the public health baseline risk assessment is completed, and the worker health baseline risk assessment is initiated.						844		
7250-0-AB	PI Program Management	D2 3	Basic PI program coordination, required to complete SMS and PTS reporting, change control administration. Also includes PI program planning documentation, including coordination of the MYPP/FYWP/ADS, etc.						178		
7250-0-AC	Baseline Integration Management Support	D2 3	Management support and administration of Five Year Plan and MYPP activities.						294		
7250-0-AD	Progress Tracking System	D2 3	RL will be in compliance with the HQ mandated reporting requirements by the Undersecretary to comply with OMB managed directions--105 Stat 1290 Sec. 3135(a); DOE Order 2250.1C, CSCSC; DOE Order 4700.1 Project Management System; and the Office of Waste Operations-Management Policies and Requirements. The impact if not funded is inconsistency with the balance of the DOE complex in their monthly reporting of activities to HQ.						617		
7250-0-AG	Systems Engineering	D2 3	Systems Engineering will be used to refine site and program missions, functions, and requirements; technical baselines; organization; and execution. It will strengthen the technical basis and integration of future Hanford Mission Plans, MYPPs, and FYWPs.						800		
7250-0-AJ	ADS preparation and submittal (prioritization, ADS reviews, program planning/development)	D2 4	ADSs are the RL/HQ prescribed means of formulating the EM budget (RL Directive 9401152B, Grumbly Guidance January 21, 1994). ADSs are also the designated medium for discussing Hanford's workscope and budget request with the regulators (TPA paragraph 139-c,d, and f). Coordination of the preparation of ADSs form the basis of Hanford's budget request leading to the congressional budget appropriation.						567		

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: D											
7250-0-AJ		Five Year Plan Systems Development, public participation, computer steering group, budget support	D2	4	Impact if not funded: Out of compliance with RL/HQ directive; no funding for legally mandated workscope. Required to test, debug expanded EPDS, Windows platform, client server. Impact if not funded: increased maintenance, system failure.						188
7250-0-AJ		IRM support to FYP EPDS and RPM	D2	4	EPDS is the computer platform used to develop ADSs, provides documentation of workscope cost estimates via Resource Pricing module (RPM). Impact if not funded: No ADSs or ADSs not in format mandated by HQ directive; inconsistent documentation of cost estimates, inability to interact with HQ system.						479
7250-0-AK		Risk Management	D2	3	This implements risk based decision making at Hanford by supporting Systems Engineering. The application of site objectives, risk measures, and functions to form criteria, weighting to the identification, selection, and analysis of alternatives; support MYPP priority formulation.						560
7360-	-	General Supplies/Computers	E1		Includes office furniture, computers, and software. Also essential items for fire protection and medical supplies.						183
7360-	-	Process Spares Administration	E1		Administration, planning, reporting, and training for Process Spares, telecommunications, and essential materials. Includes reorders, shelf criteria, assist in annual physical inventories, and perform spares annual review.						377
7360-	-	Program Support	E1		Monthly reporting to PTS and SMS. Preparation of EAC and ADS Five-Year Plan, and MYPP.						46
7360-	-	Reserve Allowance for Loss	E1		Set aside reserve for inventory losses from damaged, disposal, excess, shrinkage, or deterioration.						91
7360-	-	Warehouse	E1		Occupancy of 2101M and 275EA						788
7360-	-	Warehouse Administration	E1		Warehousing receiving and transportation of inventories of area warehouse.						557
-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse company level General and Administrative (G&A) overhead rates.						(553)
-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.						(2,968)
1100-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.						(6,545)

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: D										
1100-	-	Productivity Commitment	F1		Productivity Commitment identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.					(33,377)
2200-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.					(680)
2200-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.					(7,194)
2300-	-	G&A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.					(600)
2300-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Team (PIT) in order to fund designated critical unfunded items.					(4,119)
2320-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.					(507)
2320-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.					(3,319)
4110-0-		G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.					(676)
4110-0-		Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse PIT in order to fund designated critical unfunded items.					(4,030)
7100-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse level General and Administrative (G&A) overhead rates.					(1,000)
7100-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.					(5,470)
7250-0-AL		Productivity Commitment/G&A Reduction	F1		A productivity commitment of 10% was identified by the MHC Program Integration Team in order to fund key activities. G&A reduction reflects anticipated reductions in the company-level overhead rates.					(620)
7330-	-	G&A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.					(170)
7330-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.					(766)

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: D											
7340-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.						(340)
7340-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.						(1,916)
7360-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.						(248)
8400-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.						(3,903)
						=====			=====		
Sub Total for Case D								0			991,421
Case: T											
1100-	-	Tank Farm Routine Surveillances	A1		Acquires routine surveillance data (tank data, vent systems, LOWs, etc.) in the 200 East/West tank farms. Required for continued safe storage of underground waste tank in 200 East/West areas. In addition, WAC 173-303 "Dangerous Waste Regulations," requires a monitoring/surveillance for safe storage.			14,100			
1110-0-		Close USQs for Flammable Gas Tanks	A1	1	TPA M-40-09, Safety Initiative 21. Delay closure of SY, AW, and AN farm USQs.			1,786			
1110-0-		Design/Test/Install SY-101 Mitigation Pump	A1	1	The Mitigation test pump currently installed in Tank 241-SY-101 is a temporary pump with a limited lifecycle. A replacement pump will be required if and when it fails. No replacement pump available to mitigate tank. Tank will return to episodic hydrogen gas releases that can exceed flammable limits.			21,393			3,870
1110-0-		Evaluate Alternate Mitigation	A1	1	Current baseline reflects \$1460k in FY95 and \$1777k in FY96. This funding is required for sonic probe efforts. A revised funding level eliminates sonic probe development work and commences with dilution studies. This is required to evaluate alternate mitigation techniques for flammable gas tanks (Dilution). No alternative options to mitigating flammable tanks if unforeseen problems arise with mitigation			518			

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Case: T									
1110-0-	Evaluate and Define Flammable Gas Tanks	A1	1	pumps. Vapor, auger, and retained gas sampling; data analysis, and waste behavior data evaluation. Analysis and interpretation of data as it relates to safety issue resolution would be deferred.	3,581				
1110-0-	Evaluate and Define High Heat Tanks	A1	1	Safety Initiative 2x and TPA M-40-05. Process test to reduce drainable liquid to a minimum level in 106-C would not be completed.	988				
1110-0-	Evaluate and Define Misc. Underground Tanks	A1	1	Initiate safety screening and monitoring of misc. tanks. Would defer identification of potential safety issues.	1,043				
1110-0-	Evaluate and Define Tank Vapor	A1	1	Tank headspace vapor characterization is essential to sound Industrial Hygiene vapor monitoring. This data is required to adequately protect Tank Farm workers. Worker safety is first priority for all work performed in the tank farms. This activity allows for sampling of tank vapors for chemical constituents, flammability, and aerosols to deal with resolution of the vapor release problem in and around suspect tanks, and to reduce respiratory protection requirements in the tank farms. Potential impacts to worker safety, and completion of TPA milestones M-40-03 to perform vapor characterization for all FeCN tanks, and M-40-08 to perform vapor characterization for all organic tanks by 11/95m would	2,679				
1110-0-	Evaluate and Define Technology Development for 18 FeCN Tanks	A1	1	The application of technology for closing the FeCN USQ and resolving the tank safety issues requires an understanding of the mechanisms that may create potential hazards. This is accomplished by defining and evaluating the problems through the use of historical data, waste stimulant studies, chemical reaction studies, measurement of physical properties, and other special studies. Reduction of funds will impede ability to resolve the FeCN safety issue within the specified timecard.	3,533				
1110-0-	Evaluate and Define Technology Development for Flammable Gas Tanks	A1	1	Synthetic waste studies and modeling of gas generation and retention mechanisms and waste behavior. Add'l characterization and monitoring efforts would be required in lieu of laboratory activities to provide the basis for USQ closure and safety issue resolution.	4,266				

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: T										
1110-0-	Evaluate and Define Technology Development for Organic Tanks	A1	1	This activity includes technology and evaluation to define the organic safety issue (organic Watch List criteria and model of waste for each tank to bound its safety).	2,338					
1110-0-	Evaluate and Define Technology Development for Tank Vapor	A1	1	Tank headspace vapor characterization is essential to sound industrial hygiene vapor monitoring. This data is required to adequately protect tank farm works. This activity allows for the lab work and characterization of tank vapors for chemical consistencies, flammability, and aerosols. Potential impacts to work safety and completion of TPA milestones M-40-03 and M-40-08.	1,230					
1110-0-	Evaluate and Define for 18 FeCN Tanks	A1	1	Evaluation and definition of the safety hazards associated with FeCN tanks is by conduction evaluations of historical data, performing waste stimulant studies, monitoring data, analyzing tanks waste samples, and conducting waste modeling. This activity includes tank monitoring upgrades and safety and environmental documentaion for installation of monitoring upgrades within the FeCN tanks. Tank monitoring upgrades will provide the required surveillance in association with resolving the FeCN safety issue. Any reduction of funds will impact completion of TPA milestone M-40-02, to upgrade temperature monitoring capabilities in FeCN tanks by April 1995. Failure to provide pressure monitoring of the tanks	5,434					
1110-0-	Evaluate and Define for Organic Tanks	A1	1	This activity provides for the evaluation and definition of the organic safety issue through waste sampling and analysis. The objective of this activity is to obtain characterization data in order to model the waste for each tank. Impacts may delay organic tank safety issue resolution by 12/97.	709					
1110-0-	Fabricate/Install 103-SY Mitigation Pump	A1	1	Current baseline reflects \$3649 in FY95 and \$20692 in FY96. A revised funding level delays mitigation work for tank SY-103, and would allow minimal efforts for this activity. Tank 241-SY-103 is one of five flammable gas Watch List tanks potentially requiring mitigation. Delayed mitigation, if data analysis indicates that mitigation is required. Delay would increase the risk of a tank detonation.	963					
1110-0-	Mitigate - Technology Development for Tank Vapor Safety	A1	1	WHC engineering support to continuously monitor tank vapor flow and to allow for revision/modifications in the field to	162					

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grably		FY 95	FY95P	FY95I	FY 96	FY96P
Case: T										
1110-0-		Mitigate C-103 Organic Issue	A1	1	the vapor flow monitoring device on tank 241-C-103. If funding is reduced, would not be able to support TPA subpanel recommendation that tank monitoring be performed. In addition, support to continually monitor the vapor flow and provide alarm capability as required in SI-2P would be impacted.	1,900				
1110-0-		Mitigate Hydroxide Consumption	A1	1	Scope includes the development, testing, installation, and operation of equipment for skimming the floating organic layer from the tank. In addition, it will be necessary to remove the floating organic safety issues, the organic will be pumped and stored in a RCRA compliant storage area and will be treated and disposed. Reductions in funding will result in potential delay in completion of TPA milestone M-40-04, Complete removal of floating organic layer from tank 241-C-103 by 6/95, and Safety Initiative SI-2u, Remove organic layer from tank 241-C-103 by 3/95.	2,011				
1110-0-		Perform Waste Tank Safety Program Managment	A1	1	Perform mixing operations of sodium hydroxide (caustic) in 107-AN; design caustic injection and mising systems for 102-AZ and 102-AN. Tanks would remain out of compliance with the tank farm composition operating specification for hydroxide ion concentration which can potentially cause stress corrosion cracking.	6,477				
1110-0-		Resolve FeCN Safety Issue	A1	1	Provide management of the Waste Tank Safety Program and Safety Issue Resolution; TPA milestone M-40-00. Loss of management and advisory resources would potentially cause delays in mitigating waste tanks, closing USQs and resolving safety issues.	1,520				
					Resolution of the FeCN safety issue is a two-step process that requires that FeCN USQ and then obtaining representative core samples and analytical analyses from each tank for similar groups of tanks to validate the tanks fit into either the safe or conditionally safe categories. This activity includes technical support funding, core sample data interpretation, safety documentation, and other associated tasks to resolve the safety issue. Reduction of funds will impede ability to resolve the FeCN safety issue within the					

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
1110-0-		Resolve Internal Tank Vapor Issues	A1	1	specified timeframe. WMC engineering liaison for management oversight of the fabrication plus craft support of installation of the modular exhauster to include modifications and upgrades of utilities/generators to support the field operation of the exhauster. The ability to clean and exhaust the tank headspace is essential to adequately protect tank farm workders. Completion of TPA milestone M-40-07 to commence operation of a vapor treatment system by 6/95 would be impacted should funding of the activity be reduced.	1,368				
1110-0-		Resolve Internal-Organic Tanks without Treatment	A1	1	Logic to resolve the tank waste safety issue is to understand the mechanisms responsible for the potential hazard and to monitor and control waste storage parameters required to ensure compliance with safety criteria. This activie includes tank monitoring upgrades and safety and environmental documentation for installation of monitoring upgrades within the organic tanks. Tank monitoring upgrades will provide the required surveillance in association with resolving the organic safety issue. Any reduction of funds will impact completion of Safety Initiative milestones SI-2t, to install TCs and CTMS by 3/95. Failure to provide pressure monitoring of the tanks will impact compliance with the Wyden	4,945				
1110-0-		Store and Monitor Flammable Gas Tanks	A1	1	TPA M-40-10, Safety Initiative 2f, 2h. Delay installation of gas monitors on remaining SSTs; delay vapor space monitoring of all flammable gas tanks; delay installation of SY farm exhauster and spark proof fan.	10,134				
1110-0-		Waste Tank Nuclear Criticality	A1	1	DOE-HQ requirement to develop better methods of fissile material measurements in Hanford tanks and maintain tank criticality databases. Inaccurate fissile measurements and criticality databases could result in criticality violations.	1,640				
1110-0-		Waste Tank Safety Quality Assurance	A1	1	Required to provide QA overview of the Waste Tank Safety Program. Loss of quality assurance and oversight functions would erode the validity of all data collected.	1,771				
1130- -		Analyze Non-Watch List Tank core samples	A1	1	Analyzes core samples tank from non-watch list tanks. The DNFSB 93-5 commitment requires safety screen of non-watch list tanks by 10/96.	6,553				

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
			RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I
1130-	-	Analyze Watch List Tank core samples	A1	1	Analyzes core samples tank from watch list tanks. The DNFSB 93-5 commitment requires safety screen of watch list tanks by 10/96.	9,475			
1130-	-	Analyze DST and SST Auger/Vapor Samples	A1	1	Analyzes auger and vapor samples. Auger sample analyses are required for completion of safety screening. Vapor analyses are required to support core sampling.	1,595			
1130-	-	Auger sample to screen for safety issues	A1	1	This task collects auger samples from tanks. Auger sampling is required to complete safety screening in accordance with DNFSB 93-5.	1,016			
1130-	-	Characterization Program Technical Integration and Planning	A1	1	Provides the programmatic planning, systems engineering and QA support for tank waste characterization. Failure to fund these tasks will eliminate the programmatic support to characterization, including preparation of tank waste analysis plans as required by TPA milestone M-44-00.	1,233			
1130-	-	Complete historical ask content estimate report for NW and SE quadrants	A1		TPA DNFSB requirement to evaluate historical process characterization data to supplement DNFSB commitment 1.18 due 3/95.	1,875			
1130-	-	Generate Tank Characterization Reports	A1	1	Prepares tank characterization reports based on historical data, past sampling data, and current sampling. Failure to fund these tasks would cancel the documentation of tank sampling and analysis activities. (TPA milestones M-44-08 and M-44-09.)	1,326			
1130-	-	Load Characterization data on tanks into database	A1	1	Transfers tank characterization data into the electronic database for routine access. Electronic access to tank data is required by TPA milestones M-44-00 and M-35-00.	1,073			
1130-	-	Screen Watch List tanks for safety issues and completion of deployment of Rotary Mode Core Sampling	A1	1	Collects core samples from tanks on the watch list for safety issue screening. Completion of watch list tanks safety screening is required by 10/95 by DNFSB 93-5 commitment 2.3.	14,062			
1130-	-	Screen non-watch list tanks for safety issues	A1	1	This task collects core samples from non-watch list tanks for safety issue screen. Completion of non-watch list tanks safety screen is required by 10/96, in DNFSB 93-5 recommendation.	6,000			
1130-	-	Vapor sampling of tanks	A1	1	Collects tank vapor space samples. Vapor sampling is required to collect data for resolution of safety issues and to assure conditions are suitable for rotary core sampling.	1,893			
1200-	-	Chg Cont/Funds management	A1	3	Perform overall business management and program management	116			

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: T											
					and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.						
1200-	-	Performance Analysis	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.				2,662		
1200-	-	Program Baseline	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.				1,609		
1200-	-	Program Planning	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.				1,323		
1200-	-	Program Status	A1	3	Perform overall business management and program management and intergration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track stataus, and measurement performance as requested by DOE orders and good management.				2,077		
1200-	-	RCRA Permit Implementation	A1	6	Capture TWRS requirements and modifications of management systems in order to implement the terms and conditions of the RCRA permit. TWRS specific activities would not be completed and WHC risks non-compliance with the permit (WAC 173-303).				943		
1210-3-		D/C Initial DST WR System Phase I	A1	1	Provide retrieval systems for the first 10 DST to be retrieved. Retrieval will support resolution of tank safety issues (first designated tank as 101-SY) provide tank waste feed for ultimate disposal and open tank space to facilitate SST waste transfer (TPA). Unresolved safety issue; delays to SST retrieval and TPA milestones.				9,600		
1210-4-		D/C Slucing WR Demo C-106	A1	1	Provide a water slucing based retrieval system to remove the high-heat generating sludge from Tank C-106 to resolve the				22,400		

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
					associated tank safety issue. Unresolved safety issue; missed TPA milestone M-45-03A.					
2200-0-		Waste Characterization	A1	2	No changes in workscope and funding increase represents add'l Productivity Challenge commitment.	5,086			62	
2200-2-		Waste Retrieval Facility (W-113)	A1	2	No changes in workscope and funding increase represents add'l Productivity Challenge commitment.	4,589			261	
3031-1-		Program Direction	A1	3	Required to provide adequate managerial and financial oversight of the DOE contractors.	25,406				
7340-0-AA		Program Management	A1	2	Program planning and control/RCRA Monitoring would not exist	1,170				
8400-0-SA		CsCl Legacy Safety Program	A1	1	Resolve increasing safety concern in 327 pool from swelled CsCl capsules. If not funded, increased risk of a capsule rupture could contaminate pool and possibly result in loss of 327 facility.	1,500				
8400-0-YA	324 Bldg	B-Cell Restoration	A1	1	Provides supplemental defense funding for ADS 8410-0-AA.	672			(238)	
8410-0-AA	324 Bldg	B-Cell Restoration	A1	1	Resolve major safety concerns. If not funded, would create unacceptable safety risks and the potential for a significant release of radioactive material to the environment would increase. (Supplemented by ADS 8400-0-YA)	10,370			238	
8410-0-DA		CsCl Legacy Safety Program	A1	1	Provides required supplemental Non-Defense funding for resolution of swelled CsCl capsules to prevent capsule rupture and resulting pool contamination.				221	
103-	-	DOE-RL Field Support for WM	A2	3	Required to provide adequate managerial and financial oversight of the DOE contractors.	10,674				
1100-	-	242-A Evaporator Engineering	A2	4	Supports 242-A evaporator operations. Engineering support required for evaporator operations and maintenance.	4,000				
1100-	-	242-A Evaporator Maintenance	A2	4	Supports 242-A evaporator operations. Required by WAC 173-303, Dangerous Waste Regulations. Need for operational compliance.	4,000				
1100-	-	242-A Evaporator Operations	A2	4	Required for waste volume reduction. Not operating will impact tank farms ability to accept waste transfers. Will need add'l DSTs to be built.	8,900				
1100-	-	CASS/TMACS/SACS Data Base Management	A2		Data base for TF surveillance activities. Required TF base safe operations and regulatory compliance.	1,200				
1100-	-	Criticality Safety Engineering	A2	1	Upgrades criticality safety evaluations and fissile material inventories for safe storage and transfers. Without a criticality safety program no transfers to tanks can be	600				

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
1100-	-	DNFSB 90-2, Codes and Standards	A2		performed. Upgrades recommended by DOE-HQ. Implementation required by DNFSB 90-2. DOE-HQ and DNFSB requirement.	1,600					
1100-	-	DST Integrity Assessment Program	A2		DST Integrity Assessments regulatory required. WAC 173-303-640, Tank Systems requirement. We are currently out of compliance.	2,600					
1100-	-	DST Pumping Capabilities	A2	1	DST emergency pumping program development including equipment, procedures, and training. WAC 173-303 requires emergency pumping corrective actions to commence with 24 hours of discovering a tank leaker.	600					
1100-	-	DST/242-A Part B Permits	A2		Responds to the State's expected Notice of Deficiencies comments and addresses issues/concerns relating to permitting. A final facility permit is required by the Tri-Party Agreement and WAC 173-303-800, "Permit Requirements for Dangerous Waste Management Facilities."	1,000					
1100-	-	Environmental Compliance	A2		Required for continued tank farm operations. Funding required for maintaining environmental compliance with regulatory requirements.	4,900					
1100-	-	LOW Vans and Gamma Leak Detection	A2		Performs vadose zone characterization and surveillances in and around tank farms. Leak detection and plume analysis are regulatory requirements under WAC 173-303.	800					
1100-	-	Nuclear Safety Oversight	A2	1	Waste Tank Nuclear Safety assess the overall safety of each facility providing the independent review responsibility. Independent Nuclear Safety Oversight is required by DOE Order 5480.5, "Safety of Nuclear Facilities" and WMC MRP 5.23, "Nuclear Facility Safety."	1,000					
1100-	-	OSR Implementation	A2	1	Supports required upgrades (procedures and hardware) needed to fully implement the DST/SST/AMF interim OSRs. Supports continued safe operations in Tank Farms and allows Tank Farms to dully implent the interim OSRs.	4,500					
1100-	-	Planning and Administration	A2	3	Provides occurrence reporting, admin support, and the Tank Farms integrated planning function. DOE Order requirements and efficient planning and operation.	2,700					
1100-	-	Program Element and Baseline Management	A2	3	Provides programmatic direction and program management support to the N1 program element. Baseline management and planning is required to support continued tank farm safe	2,200					

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
1100-	-	Rad/Haz Solid Waste Disposal	A2	1	operations. Characterizes, packages, and disposes of newly generated radioactive/hazardous solid waste in tank farms. Solid waste characterization and segregation is required by WAC 173-303, "Dangerous Waste Regulations."		7,400			
1100-	-	SST Emergency Pumping	A2	1	Completes SST T-111 emergency corrective actions and responds to identified SST leaker. Emergency pumping of an identified SST leaker is required to minimize exposure to the environment. In addition, WAC 173-303 requires the prevention of migration of dangerous waste or dangerous constituents to ground water or surface water, if possible.		300			
1100-	-	SST Emergency Pumping Preparations	A2	1	Maintains the emergency pumping capability of SST (i.e., SST Emergency pumping trailer, training, procedures, overground transfers capability, etc.), Emergency pumping of an identified SST leaker is required to minimize exposure to the environment. In addition, WAC 173-303 requires the prevention of migration of dangerous waste or dangerous constituents to ground water or surface water, if possible.		800			
1100-	-	SST Interim Stabilization	A2	4	SST pumping for stabilization including preparations for pumping. Includes required operations/maintenance/engineering activities, and KEN farm preparations. Tri-Party Agreement milestone M-41-0, "Complete Single-Shell Tank Interim Stabilization."		4,500			
1100-	-	SST Intrusion Prevention	A2	4	SST intrusion prevention is required to prevent liquids from re-entering the tank following stabilization. Tri-Party Agreement milestone M-41-0, "Complete Single Shell Tank Interim Stabilization."		600			
1100-	-	SST Stabilization Field Support	A2	4	SST pumping for stabilization including preparations for pumping. Field support includes crane and rigging, HPTs, QA/QC, management, etc. Tri-Party Agreement milestone M-41-0, "Complete Single Shell Tank Interim Stabilization."		5,700			
1100-	-	Safety Documentaion Upgrades	A2	1	Safety documentation upgrades continue withy DST FSAR/TSRs preparations, revision of DST/AWF/SST interim OSRs and 242-A FSAR update. Upgrade Tank Farms safety documentation to meet requirements of DOE Order 5480.21/22/23. Needed for upgrading the Tank Farms safety envelope.		5,200			

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)			
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I	
Case: T												
1100-	-	Tank Farm Assessments (Utilities and Services)	A2		Utilities and Services for Tank Farm surveillance/operations. Funding of electricity, steam/water, laundry, and solid waste burials is base safe operations.	11,400						
1100-	-	Tank Farm Facility Operations	A2	4	Performs facility operations in 200 East/West areas. This includes routing/transfer of low-level waste, sampling, farm control, etc.	18,400						
1100-	-	Tank Farm Industrial Hygiene and Safety	A2	2	Performs industrial hygiene monitoring and analysis of tank farms and personnel for a safe working environment. Regulatory requirement 29 CFR 1910-120, "Hazardous Waste Operations and Emergency Response," and OSHA required for worker protection.	4,100						
1100-	-	Tank Farm Plant Cognizant Engineering	A2	1	Performs the System and Process engineering functions in tank farms required for continued safe operations. Engineering support is required for safe operations and maintenance activities in tank farms.	7,000						
1100-	-	Tank Farm Plant Operating Procedures	A2	2	Maintains tank farm operational and administrative procedures. DOE Order 5480.19 requires review and/or revision of procedures every two years. A total of 524 procedures, 22 operator round sheets, 14 OSDs, and 14 OSRs will need to be reviewed and/or revised.	2,300						
1100-	-	Tank Farm Training	A2	2	Tank Farm training supports base safe operations. includes operator and maintenance training program. Personnel training and qualification is required by WAC 173-303-330, "Personnel Training," which states the facility owner or operation shall provide a program of classroom instruction or on-the-job training for facility personnel. In addition, DOE Order 5480.20 mandates a formal training program.	6,400						
1100-	-	Tank Farms Coorrective/Preventive Maintenance	A2	1	Performs corrective/preventive maintenance to maintain a safe operating configuration in tank farms. Maintenance is required for base safe operations and is a regulatory requirement.	23,600						
1120-0-		Compressed Air System - Safety	A2	1	Safety Initiative 4b35. Complete compressed air system equipment assessment and replacement. Operate high maintenance compressors and instrument air piping which is inefficient and causes instrment damage and decreased reliability.	500						

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: T									
1120-0-	Configuration Management	A2	1	System P&IDs, Component Labeling, and Master Equipment List (MEL) for all tank farms. Implement CM plan. Implement Design Base Document Reconstitution program.	1,400				
1120-0-	DST Qualification Life Extension	A2	4	TPA M-32. Provide the strategy to manage the Hanford waste tank system facilities and establish the service life of the facility systems, structures, and components. Service life of existing DSTs will expire without justification to continue use. Actual service life will not be managed and maximized.	1,000				
1120-0-	Field Verify Essential Drawings	A2	1	Safety Initiative # 4c42. CAD covert, field verify and release all remaining essential and support drawings for tank farms. Continue without field verified drawings. Safety impact with drawings not verified to actual field configuration. Drawings unreliable for planning and operations.	2,000				
1120-0-	Resolve Site Electrical Assessment (Safety) Issues	A2	1	Correct remaining identified Site Electrical Assessment code deficiencies and future discovered deficiencies. DOE Order 6430.1A, General Design Criteria. Work with known electrical deficiencies. Provide the evaluations of power distribution system at the Tank Farms required for compliance with DOE order 6430.1A.	2,100				
1120-0-	Safety Initiative Alarm Panels Upgrade	A2	1	Safety Initiative #4a34. Upgrading old alarm systems with state-of-the-art equipment and new circuits. Removing old circuitry for no longer valid alarm systems. High maintenance alarm system with increased operator time for monitoring. Undesirable work environment with outdated and invalid alarm systems.	600				
1120-0-	Systems Engineering	A2	3	DOE Order 4700.1, DNFSB Recommendation 92-4, Grumbly Safety Initiative. System Engineering Requirements/Trade studies would be delayed or not met.	200				
1120-0-	TMACS Watch List Tanks - Safety	A2	1	Safety Initiative 2t27. TMACS for all Organic Watch List tanks. Connect temperature sensors in A, AX, and U Farms as well as Tanks B-103 and TX-105 to the Tank Monitoring and Control System (TMACS). Operators will maintain periodic rounds to take thermocouple readings as opposed to remote/continuous temperature monitoring of Watch List tanks.	2,400				

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: T											
1120-0-		Technical Integration and Planning	A2	3	Provide programmatic technical integration, planning, reporting, control, and management. Resources would be inadequate to effectively manage and direct the Upgrades Program activities.	2,000					
1120-0-		W-280 SY and C Lighting	A2	1	Upgrade of facility lighting and SY and C Farms to provide adequate lighting during field activities. Safety concern that the current lighting does not provide adequate illumination during non-daylight hours.	100					
1120-6-		W-314A Integrated Instrumentation Upgrade	A2	1	Full scope upgrade of the instrumentation system, the supervisory control and data acquisition system for 177 tanks in tank farms. Delay of evaluation of current instrumentation and related equipment and integration with ongoing near-term upgrades and projects. High maintenance of inadequate and unreliable instrumentation. Higher operating costs and inefficiencies without centralized control.	5,800					
1120-6-		W-314B DST Ventilation Upgrade	A2	1	Upgrade ventilation system of 28 DSTs to ensure that radionuclide and hazardous content of the exhaust vapors do not exceed regulatory limits. Delay in the evaluation of the condition of all DST primary and annulus ventilation systems and replacement/upgrade as required in support of the TPA. High maintenance and continued regulatory non-compliance.	4,100					
1120-6-		W-314D Electrical System Upgrades	A2	1	Upgrade power distribution system beyond the incoming switchgear. Delay in upgrade of power distribution system in support of TPA. Outdated motor control centers, power cables, and junction boxes will continue to be used and maintained with electrical safety risk.	2,200					
1130-	-	Develop Analytical Procedures	A2		Provides new laboratory procedures for Hanford laboratories. Individual new capabilities are based on DQO requirements.	1,286					
1130-	-	Develop Hot Cell Analytical Instrumentation	A2		Provides new laboratory methods (hardware and software). Individual new capabilities are based on DQO requirements.	2,230					
1130-	-	Develop In-situ Characterization Methods	A2		Provides capabilities for in-tank measurements. Individual new capabilities are based on DQO requirements. This task includes DNFSB 93-04 commitment 3.13.	1,000					
1130-	-	Improve Field Sampling Methods	A2		Expands field sampling capabilities and improves recoverability of sample. Individual new capabilities are based on DQO requirements. This task includes DNFSB 93-05	2,500					

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: T											
1130-	-	Integration/Transfer Technology to Labs	A2		commitment 3.16. Identifies technology development needs and transfers new capabilities to routine use. Individual new capabilities are based on DQO requirements.	2,500					
1130-	-	Maintain 222-S lab readiness	A2	4	Maintains the lab support facilities and personnel to be ready to analyze TWRS tank samples. Failure to fund this task will impede the ability to provide basic lab analysis for TWRS.	5,631					
1130-	-	Modify PAS-1; License/Provide NCAW casks	A2	4	Provides containers for sending samples offsite. Offsite labs are required to meet schedule commitments.	463					
1130-	-	Pay 300 Area Waste Assessment	A2	4	Pays the 340 facility assessment. Use of the 340 facility is required for disposal of lab waste generated in the 300 area.	2,100					
1130-	-	Upgrade 222-S and 325 Labs	A2	4	This task improves lab capabilities to meet TWRS needs. Hotcell upgrades are needed to meet characterization requirements.	5,338					
1210-0-		Program Definition, Planning, and Integration	A2	3	Provide program management, integration, baseline planning, budgeting and controls for retrieval technology, engineering, projects, and operations. Provides functional and technical requirements for the program. Provides for program interface, including regulators and stakeholders.	2,100					
2200-0-		Minimum Case Solid Waste Operations	A2	2	No changes in workscope and funding increase represents add'l Productivity Challenge Commitment.	15,261					306
2200-0-		Program Planning and Estimating	A2	3	No changes in workscope and funding increase represents add'l Productivity Challenge Commitment.	6,331					111
2200-0-		Safety Analysis Reports	A2	2	No changes in workscope and funding increase represents add'l Productivity Challenge Commitment.	3,149					53
2250-0-		Special Waste Cask Storage	A2	2	No changes in workscope and funding increase represents add'l Productivity Challenge commitment.	895					13
2300-0-		200 Area ETF Full Operations (Projects: C-018H/W-105/W-049H/W-291H)	A2	1	Provides for LERF, ETF, and TEDF Operations. Completes the readiness review activities for ETF (Project C-018H), TEDF (Project W-049H), and BAT/AKART Implementation (Project W-291H). Impacts: TPA M-17 and M-26 milestones are missed and 242-A Evaporator is shutdown which impacts numerous TWRS milestones.	23,522					
2300-0-		300 Area TEDF Operations (Project L-045H)	A2	1	Provides readiness reviews, startup testing, systems engineering, and continued operations for 300 Area	8,318					

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: T										
					facilities. Impacts: TPA M-17 milestone would be missed resulting in either 300 Area facilities required shutdown or continued discharge of unpermitted liquid effluents to soil column.					
2300-0-		340/307 Operations	A2	1	Supports full operations with safety and training upgrades, conduct of operations, implementation, safety documentation modification, and tank integrity assessment completed. Impact: Non-operation would shut down 300 Area labs and TPA M-44 milestones for core sampling would be missed. (Note: Work scope moved from T Plant into Liquid Effluents in FY 1994.)		5,016			
2320-0-		a-WDS Safety Assurance	A2	2	Continue correction of safety deficiencies for minimum safe status of facilities, continue facility training, update SARs, update and develop plant specific procedures, engineering/projects support to eliminate unsafe conditions and enhance facility safety, conduct of operations, routines/surveillances, radiological zone reduction, monitoring and operation of the PWR Core II spent nuclear fuel pool. Replace failed equipment and miscellaneous materials. (Continuous Air Monitors, Personnel Contamination Monitors, generators.) Upgrade T Plant's electrical system to be compliant with current codes and standards (NEC, OSHA), and to support the current mission and final D&D.		14,126			217
2320-0-		b-T Plant Maintenance and Assessments	A2	2	Perform preventive maintenance, safety equipment calibration, winterization/summerization, critical repairs, maintenance engineering, and Job Control System for the minimum safe status of facilities. Target funding does not allow for increases in utilities: steam, electricity, water, laundry, and electric maintenance. Upgrade the T Plant Control room.		12,629			227
2320-0-		c-T Plant Maintenance and Assessments (Waste Disposal and Compliance)	A2	2	Provide environmental engineering and compliance support in repackaging, treatment/repair, receiving and shipping of waste/equipment. Supports TPA milestones M-17-41 and M-17-42, which direct the discharge of liquid effluents to T Plant ditches be stopped, and M-20-51 for the submittal of T Plant's Part B permit application to Ecology and the EPA. Target funding does not allow for projected increases in		3,188			73

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-30 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

Page 56

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	
Case: T									
2320-0-	d-Liquid Waste Transfers	A2	1	waste volume and waste disposal rates. Maintain and certify Liquid Waste Tank Cars (LWTCs). The LWTCs are the primary liquid waste transfer system for T Plant, the 340 Facility, and the 400 Area. 300 Area liquid waste is generated by PNL that performs sampling and testing activities of Tank Farm's liquid waste, supporting Tank Farms' TPA milestone M-44. The LWTCs also serve as backup for other Hanford site facilities whose primary liquid waste is hard piping. Target funding does not allow for possible increases in rail and track fees.	520			9	
2320-0-	e-Decontamination/Repair Services	A2	2	Provide decontamination and repair services for the Hanford site. Treatment services are essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its LLCE. The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric	2,550			940	
				is disposed of by facilities; 57-FR 37194, which designates as waste, "nonrepairable/nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA to be consistent with waste minimization and reduction.					
2320-0-	e-Decontamination/Repair Services	A2	2	Provide decontamination and repair services for the Hanford site. Treatment services are essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its LLCE. The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste, "nonrepairable/nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA to be consistent with waste minimization and reduction.	3,100	*		4,127	*
2320-0-	f-Applied Technology and Equipment	A2	5	Procure and install the following equipment in support of decontamination activities: 1)FY95: ice blaster, chemical	555			8	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: T										
2320-0-		g-Process Planning (Project W-372, Long Length Waste Item Transfer Port Addition)	A2	3	decontamination systems, and secondary waste treatment; 2) FY96: containment systems and hazardous storage units. Required to allow oversized waste equipment from the Hanford site, entry into the 221-T canyon for waste treatment. Supports Tank Farms' TPA milestone M-45. Necessary for the treatment of Tank Farms' LLCE waste which will be shipped from Tank Farms beginning in 12/95.	600	*		401	*
4110-0-		Applied Technology	A2		Ensure that appropriate decisions about applicable technologies are made and that definable technology solutions are developed that are directly coupled to the SNF project needs. Significant reduction will severely impact the ability of Applied Technology group to meet its commitments. Technology needs are defined during the systems engineering analysis. Specifically treatment of basin water to remove tritium and technology development of a sludge retrieval/removal system will be delayed. These delays will impact reduction of personnel exposure and potentially add add'l insutel to the environment due to basin leakage. This could also impact the project's ability to achieve its TPA	1,000			1,100	
4110-0-		Engineering and Systems Integration	A2		Establish technical baselines, produce systems, processes, and analyses which enable construction of facilities and physical remediation of spend nuclear fuels and their current facilities for the Hanford site. Would not be able to complete the characterization activities to support the schedule for removal of fuel and sludge from the K basins. This impacts TPA milestone M-33 which requires an agreed upon plan by 1996 for the removal of fuel by 2002. There would also be a delay of engineering necessary to provide consolidated interim storage and disposition of non K basin fuel. The preconceptual engineering studies supporting the FY 1997 Line Item would be delayed resulting in at least a	3,000				
4110-0-		Engineering and Systems Integration	A2		Lack of technical baselines impact the effective management of SNF projects and schedules.	7,300			1,200	
4110-0-		K Basins Electrical System Corrective Actions	A2	2	Failure to fund correction of these electrical deficiencies at K Area will result in unacceptable conditions in the field for both personnel and equipment, and failure to comply with	2,500	*		2,500	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
					DOE Order 6430.4A, Division 16, General Design Criteria-Electrical. These deficiencies represent significant liabilities in continued safe infrastructure support at K Area for both WHC and RL.					
4110-0-		K Basins Operations	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include: plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and security.	5,744	*			
4110-0-		K Basins Operations	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include: plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and security.	25,399				
4110-0-		PML Support for Fuel Characterization and EIS	A2		Support fuel characterization for the M Reactor and other Hanford fuels for the disposition of the fuel. Also included is support for the EIS preparation. Provide support necessary to meet TPA milestones for Characterization, EIS, and disposition of the fuel.					
4110-0-		Project Baseline Control	A2		Impacts ability to establish and maintain credible budget baseline and Project Control/reporting requirements. Also impacts outyear forecasting.	1,500				
4110-0-		Regulatory Integration and Public Involvement	A2		Funding is needed to provide for the Public Involvement activities and Regulatory and Safety basins for current and future spent fuel disposition alternatives.	1,200			1,300	
4190-0-		B Plant Operations	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include: management, systems surveillances and maintenance, engineering, health and safety, assessments, and security.	26,844				
4190-0-		B Plant Operations	A2	2	Incremental funding would be provided to support minimum safe requirements including plant management, training, and high energy system repairs. If unfunded, the risk of electrical and mechanical failures would increase, add'l risk would be incurred from having untrained personnel and plant management staff who would not be available to support daily operations,	6,800	*		2,926	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
4195-0-		Cesium Capsule Recovery Program Support	A2	2	planning, reporting, and control. If unfunded, program management and technical support for cesium capsule program would be eliminated. Surveillance of cesium capsules stored at PNL would not be provided. FSAR requirements for surveillance of the capsules would not be met.	1,234				
4195-0-		Cesium Capsule Return	A2	6	If not funded, WESF cesium capsules would not be returned from IOTTECH and ARECO resulting in DOE commitments to State of Colorado and the NRC would not be met.	200	*		100	**
4195-0-		Cesium Capsule Return	A2	6	If not funded, WESF cesium capsules would not be returned from IOTTECH and ARECO resulting in DOE commitments to State of Colorado and the NRC would not be met.	2,800			2,900	**
7100- -		d-Facility Operations	A2	1	Assessment to the TWRS program to support base operations.	(5,000)				
7100-0-		a-222S Facility Operations	A2	1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the 222-S Laboratory Facility Complex to keep the facility in a ready-to-serve mode.	27,500			2,351	
7100-0-		b-325 Facility Operations	A2	1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the 325 Laboratory Facility Complex to keep the facility in a ready-to-serve mode.	11,900			700	
7100-0-		c-WSCF Operations	A2	1	This activity provides for the routine operation, maintenance, and repair of all facilities and equipment associated with the WSCF Complex to keep the facility in a ready-to-serve mode.	9,897				
7100-0-		e-Facility CENRTC	A2	1	Capital equipment required to replace existing and obsolete equipment to support the ready-to-serve configuration.	3,100				
7100-0-		f-Program Integration	A2	3	Supports Hanford Analytical Services program management and integration, and Quality Assurance.	3,230				
7100-0-		g-Auxiliary Labs	A2	1	Provides for the routine operation, maintenance, and repair of the 2703E and 1706KE Laboratories in a ready to serve mode.	1,130				
7340-0-BA		Environmental Effluents (HPTs)	A2	2	Clean Air Act, 40CDR61/Unmonitored gaseous emissions	1,060				
7340-0-BA		Environmental Surveillance-Stabilized Sites	A2	2	Ensure containment of contamination/increase risk of contamination	1,025				
7360- -		Coal	A2		Needed to power 200/300 Area Steam Plants.				27	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T									
7360- -	Process Spares	A2		Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.	100				
7360- -	Process Spares	A2		Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.	200				
7360- -	Process Spares	A2		Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.	439			54	
8400-0-DA	Waste Management Operations	A2	2	Regulatory requirement to manage PNL hazardous and radioactive wastes. If not funded, fines may result for violations of numerous environmental and safety regulations.	3,771				
8400-0-FA	242B/BL & 2718E PNL Lab Surveillance and Maintenance	A2	2	Regulatory requirement for regular inspections to maintain safe storage of unmanned, contaminated lab spaces. If not funded, would increase safety risks to an unacceptable level.	92				
8400-0-MA	Effluent monitoring	A2	2	Regulatory requirement for monitoring PNL air and liquid effluent streams to verify compliance. Includes effluent path verification, stream characterization, sample collection and analyses, mobile field monitoring, and operation and maintenance of sampling/monitoring systems. If not funded, fines may result for violations of environmental laws and facilities may be forced into shutdown.	3,413				
8400-0-NA	Essential ES&H drawings	A2	2	Provides as-built drawings for the Hazard Class II Buildings safety systems modifications and investigations of occurrences. If not funded, health and safety hazards in the facility will not be corrected adequately.	830	*			
8400-0-OA	Facilities, Safety and Conduct of Operations	A2	2	Regulatory requirement for testing eyewash and safety shower flush lines, asbestos survey and remediation, and MSDSs. If not funded, unacceptable worker safety conditions could occur when using eyewash stations due to rust in the lines or when exposed to asbestos or hazardous chemicals.	2,233	*		2,215	*
8400-0-TA	324 Bldg Hot Cell Facility Surveillance and Maintenance	A2	2	Regulatory requirement for regular inspection of radioactive materials and safety systems. If not funded, significant worker safety issues and the potential for a release of radioactive material to the environment would increase.	2,750				
8410-0-BA	327 Bldg. Surveillance and	A2	2	Regulatory requirement for regular inspection and safe	1,763	*		1,396	*

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: T										
		Maintenance			storage of radioactive materials. If not funded, would create unacceptable safety risks. The potential for worker exposure and release of radioactive materials to the environment would increase.					
1100-	-	Issues/Corrective Action Management	B1	2	Facilitates corrective action management for TWRS on existing and emerging safety, environmental protection, and conduct of operations conditions. Required in order to perform risk evaluations, root cause analysis, performance evaluations, and issue closures.	1,800				
1100-	-	QA/QC	B1	1	Provides environmental safety, health, and quality assurance support to routine tank farm operations and maintenance activities. DOE Order 5480.1B requirement which establishes the environmental protection, safety, and health programs (ES&H) requires quality assurance and control functions.	2,000				
1100-	-	Tank Farm Security	B1	1	Administers physical and industrial security measures supporting the Tank Farm complexes. Security requirements per DOE-M-30.3A. In addition, WAC 173-303-310, "Security," requires control access and monitoring.	400				
1120-	0-	Liquid Waste Minimization Upgrades	B1	1	TPA M-17. Modify facilities to minimize effluent waste water generation to meet TPA milestone M-17. Effluent waste water will continue to be generated with limited storage space and environmental impact.	1,700				
1120-	2-	W-030 AY/AZ Primary Ventilation	B1	1	Replace primary ventilation system for AY/AZ tank farms in compliance with TPA milestone M-34-01. Operate systems and components which have exceeded their design life. Failure to comply with congressionally directed DOE plan to discontinue disposal of contaminated liquids to soil column (processing cooling water).	1,000				
1120-	4-	W-058 Cross Site Transfer System	B1	1	Provide encased pipelines to connect the SY Tank Farm, 200 W, to the 200 E tank farms in compliance with current codes and regulations. Operate existing system which does not conform to all current regulatory requirements and has a questionable life.	21,800				
1120-	6-	W-314C Waste Transfer Lines	B1	1	Upgrade inter-area waste transfer system to ensure compliance with RCRA and WAC leak detection requirements. Delay in completion of compliant transfer lines and integration with	3,900				

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
					the future cross-site transfer system.						
1120-7-		W-028 Aging Waste Transfer Line	B1	4	Required to provide a reliable long-term high heat liquid waste transfer sytem from B Plant to treatment facilities. The existing waste transfer system is not in compliance with 40 CFR 264 and current DOE orders. Continued use of the present system could result in potential safety and health hazards during pretreatment and removal of B Plant waste.		4,700				
1130- -		Analyze Supernate Sample (DST Part B Permit)	B1	4	This task analyzes DST supernate samples. Supernate analysis are required for the RCRA part B permit approval.		4,301				
1130- -		Analyze Supernate Sample for SST Stabilization and 242-A Evaporator Operation	B1	4	This task analyzes supernate samples. Supernate analysis are required to support 242-A evaporator operation and SST stabilization.		2,300				
1130- -		Sample supernate to support RCRA and process DST requirements	B1	4	Collects samples of double-shell tank supernate. The hazardous waste permit specifies sampling requirements. Add'l samples are required to support 242-A evaporator operations.		2,951				
1200- -		Business management	B1	3	Prepare TWRS Master Site Plan based on known conformation or best assumptions from individual projects. Provide minimum business management for all TWRS projects. Increased cost in TWRS projects due to duplication and mismatches and non-compliance with DOE 4700.1.		1,736				
1200- -		Compliance Coordination	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the environmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.		293				
1200- -		Configuration Management	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by		125			31	

4/18/94

12:15 pm

Table: EM-30.db

Report #5

Sub

Ads# Act

Workscope Desc

Priority

RL Grnblly

Justification

(\$,000)

FY 95

FY95P

FY95I

(\$,000)

FY 96

FY96P FY96I

Case: T

Case	Sub	Workscope Desc	Priority	RL	Grnblly	Justification	(\$,000)	(\$,000)
	Ads#	Act					FY 95	FY95P FY95I FY 96 FY96P FY96I
1200-	-	Define Compliance Requirements	B1	2	DOE and WHC will not be met. Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	155		
1200-	-	Establish Requirements Envelope	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	1,341		
1200-	-	Mapping and Marking	B1	6	Mapping of underground lines carrying dangerous waste is required by the Dangerous Waste Permit. Lines outside of Tank Farms will not be marked placing WHC in violation of Permit and subject to fines.	828		
1200-	-	Program Management and Support	B1	5	Essential program management of TD and overall integration of technology needs; supports, TDPO to manage the TWRS integrated technology planning and technology groups in TWRS functional areas. Without coordination and planning, technology development will increase in cost and fail to meet the needs of the TWRS program. Lack of commercial and academic sources built subject the program to further criticism for lack of participation.	4,236		
1200-	-	Program Planning	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding lievel could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.	5,984		

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-30 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
1200-	-	Self Assessment Program	B1	5	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.		318			
1200-	-	Site Integration	B1	3	Prepare TWRS Master Site Plan based on known conformation or best assumptions from individual projects. Provide minimum business management for all TWRS projects. Increased cost in TWRS projects due to duplication and mismatches and non-compliance with DOE 4700.1.		1,004			
1200-	-	System Engineering Tools	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding lievel could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.		444			
1200-	-	Systems Engineering Management Plan	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding lievel could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.		475			
1200-	-	Systems Engineering Management Plan	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding lievel could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical		536			

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)			
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I	
Case: T												
1200-	-	TWRS EIS	B1		performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met. The ROD is required to start design for pretreatment, LLW, and HLW facilities. Delaying preparation will cause delays in initiating design of the 3 plants (TPA milestones) and related follow-on milestones.	5,747						
1200-	-	Technology Development and Program Office	B1	5	Essential program management of TD and overall integration of technology needs; supports, TDPO to manage the TWRS integrated technology planning and technology groups in TWRS functional areas. Without coordination and planning, technology development will increase in cost and fail to meet the needs of the TWRS program. Lack of commercial and academic sources built subject the program to further criticism for lack of participation.	2,482						
1200-	-	Test/Evaluation Management	B1	5	Continue development of program technical baselines; limited modeling for alternative evaluations and risk analysis at current levels of capability. This reduced funding level could drop the effort below a critical mass. Add'l reductions to the ability to produce defensible bases and obvious lack of integration of requirements or physical performances furthering our vulnerability to attach on operating funds and capital projects. DNFSB commitments by DOE and WHC will not be met.	92						
1200-	-	Total Quality Management	B1	2	Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the evnironmentla envelop and contuned support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.	633						
1210-	-	D/C/T Arm Based SST WR Demo	B1	3	Provide the design/construction, procurement, and installation of the waste retrieval systems necessary to complee retrieval of tank 241-c-106, follong sluicing operations. Provides for the testing and demonstration of long-reach manipulator retrieval systems and the development	1,000	*			8,200	*	**

4/18/94

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 66

12:15 pm

Table: EM-30.db

Report #5

Adq#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: T											
1210-0-		D/C Small Volume WR System	B1	5	of such a retrieval system. If not funded, delay to milestone M-45-03. Design, develop, and provide a pilot-scale retrieval system to obtain small volumes of tank waste materials or planned scale test facilities supporting waste pretreatment process testing, bench-scale melter testing, in-tank sludge washing tests, and other pretreatment/disposal activities. Delays to pretreatment and disposal project designs.	700	*		700	*	
1210-0-		D/C and Perform SST Barrier Feature Tests/Demo	B1	2	Provide the feasibility study, development, procurement, site modification, construction, installation, and performance testing of small scale sub-surface confinement system for SSTs. Meet TPA and safety initiative milestones. Delays TPA milestone M-45-07.	3,100	*		4,600	*	**
1210-0-		Define Arm-Based SST WR Project	B1	3	Define and establish the first arm based retrieval project engineering trade studies necessary to bound project scope, establish functional requirements, complete the engineering study and project documentation necessary to obtain key decision 0. If not funded, may delay TPA milestone M-45-03.	3,300	*				
1210-0-		Define Characterization Needs/Develop Simulants	B1	1	Provide and maintain data quality objective (DQO) for the retrieval program. Develop simulants which match the selected physical and/or chemical properties selected to characterize the performance of retrieval equipment/processes. Precedes pump tests. Delay DST retrieval projects design.	800			1,000		**
1210-0-		Define Initial DST WR Systems Project	B1	3	Prepare engineering trade studies, assessments, project definition, and project level functions and requirements. Perform systems engineering assessments of needs and interfaces with other TWRS elements. Prepare test and evaluation plan. Delay DST retrieval projects design.	200	*		500	*	**
1210-0-		Define Initial SST WR Support Service Facility	B1	3	Define and establish the waste receiver and support facility requirements necessary to provide the SST retrieval system operations for the first tank farm. Provide requirements to Tank Farm upgrades. Delay upgrade projects and TPA milestone M-45-04.	200	*		200	*	**
1210-0-		Define Initial SST WR System Project	B1	3	Define and establish the initial SST retrieval systems. Include the engineering trade studies necessary to bound	700	*		1,500	*	**

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000)		(\$,000)	
				FY 95	FY95P FY95I	FY 96	FY96P FY96I
Case: T							
			project scope and select retrieval technologies for specific tanks. Establish functional, technical, and design requirements, and complete the ES and project documentation necessary to obtain key decision 0. Impacts TPA milestone M-45-04.				
1210-0-	Define SST WR Training/Test Requirements	B1 3	Define and develop the SST retrieval systems training and test requirements to support retrieval of all 149 SSTs. Prepare functions and requirements, evaluate facility options, perform trade studies, and complete the engineering study. Delay to TPA milestone M-45-04.	300	*	800	*
1210-0-	Define WR Infrastructure Requirements	B1 2	Define the tank farm and supporting infrastructure requirements necessary to achieve mission and objectives. These requirements will be provided and integrated with the Tank Farms upgrades program. The requirements include electrical power, lighting, compressed air, tank ventilation systems, and waste transfer interfaces. Delay upgrade projects and TPA M-45-04.	300	*	100	*
1210-0-	Develop Enhanced SST WR Technologies	B1 4	Identify, develop, and evaluate enhancements to the reference SST retrieval systems that require expanded capabilities to address tanks with saltcake and in-tank hardware. Sluicing enhancements will be evaluated to improve sluicing retrieval performance, reduce cost, and reduce tank leakage potential. Delay TPA milestones M-45-04.			700	
1210-0-	Develop Enhanced SST WR Technologies	B1 4	Identify, develop, and evaluate enhancements to the reference SST retrieval systems that require expanded capabilities to address tanks with saltcake and in-tank hardware. Sluicing enhancements will be evaluated to improve sluicing retrieval performance, reduce cost, and reduce tank leakage potential. Delay TPA milestones M-45-04.	900		300	
1210-0-	Develop/Test Enhanced Alt DST WR Systems	B1 5	Define requirements for retrieval of high shear strength DST sludges. Identify candidate systems to improve the performance, cost, or operational efficiency over existing mixer pump based systems. Define, develop, and procure improved mixer pump designs as a cooperative activity with Savannah River site. Provide data to support design of DST retrieval projects. No improvements in reliability to	600		700	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
					current DST baseline system.						
1210-0-		Develop 1st generation arm-based systems (EM-50)	B1	5	EM-50 funded activity. Provide specification input and evaluation criteria. Delay W-340 project demo and M-45-03.	100			100		
1210-0-		Evaluate Alt. SST Tech	B1	2	Evaluate alternate approaches to SST retrieval. Establish a competitive system development approach through an industry "fly-off" concept.	700	*		800	*	
1210-0-		Evaluate and Test SST Leak Detection Methods	B1	2	Provide leak detection and monitoring system functions and requirements, evaluate the available technologies, and select technologies for engineering development/testing. Test the selected technologies. Provide the leak detection and monitoring system. Potential delay to start of sluicing and TPA milestone M-45-04.	1,500	*		2,000	*	
1210-0-		Perform DST WR Process Test	B1						300	*	
1210-0-		Perform DST WR Process Test	B1	1	Prepare the test plan for the retrieval process test in tank 101-AZ. Train personnel. Perform the operational readiness reviews and perform the test. Delay to pretreatment activities and DST retrieval projects design.	8,600	*		300	*	
1210-0-		Prepare Closure Reg. Requirements Assessment	B1	6	Prepare analysis of federal and state regulation to identify issues relating to closure of SSTs. Update SST closure work plan. Delays TPA milestone M-45-06.	300	*				
1210-0-		Test/Analyze Mixer Pump Performance	B1	4	Define test program to demonstrate mixer pump performance. Develop analytical models to provide basis for predicting performance of waste retrieval equipment. Provide appropriate scale test facilities to demonstrate retrieval equipment performance. Provide data to develop and/or verify designs of DST waste retrieval projects. Delay DST retrieval projects design.	4,000			4,000		
1220- -		Conduct System Engineering and Trade Studies (Part II)	B1	4	Needed to provide a final design description with sufficient detail to provide a firm technical basis for follow-on design activities. Delays start of design activities for LLW and HLW pretreatment facilities.	1,200					
1220- -		Conduct project engineering and management	B1	3	To provide project oversight and integrate project activities. Integration of project activities and project reporting would be adversely affected.	4,200			4,600		
1220- -		Define F&R for HLW Pretreatment Facility	B1	4	Needed to support waste treatment prior to processing LLW pretreatment facility. Adversely impacts TPA milestone M-50-	3,100					

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: T										
					01T01 in FY95 and potentially delays LLW processing; ineffective cesium removal also increases the need for shielding in the LLW vitrification plant.					
1220-	-	Define F&R for HLW pretreatment facility	B1	4	Needed to support waste treatment prior to processing in LLW pretreatment facility. Adversely impacts TPA milestone M-50-01T01 in FY95 and potentially delays LLW processing; ineffective cesium removal also increases the need for shielding in the LLW vitrification plant.	500				
1220-	-	Define F&R for In-Tank Processing	B1	3	Needed to ensure that in-tank washing is implemented to support HLW pretreatment as scheduled. Jeopardizes meeting TPA milestone M-50-04. (Start hot operations of HLW pretreatment facility.)				565	**
1220-	-	Define F&R for In-Tank Processing	B1	3	Needed to ensure that in-tank washing is implemented to support HLW pretreatment as scheduled. Jeopardizes meeting TPA milestone M-50-04. (Start hot operations of HLW pretreatment facility.)	500				
1220-	-	Define F&R for LLW Pretreatment Facility (Part II)	B1	3	To provide FDC documents necessary to initiate projects. Function and requirements would not be available for the initiation of design activities.	2,000				
1220-	-	Develop Flowsheets and Applied Tech. Evaluation (B)	B1	4	Needed to support effort to determine whether advanced sludge separation processes are required M-50-03. Jeopardizes completion of milestone and delays or creates great uncertainty for the LLW/HLW pretreatment plants and possibly LLW/HLW vitrification plants.	1,200				
1220-	-	Develop/Evaluate Organic Complexant Destruction Technology	B1	4	Support the Title I design of the LLW pretreatment facility and reduces the technical uncertainty of how much organic destruction capability must be provided. Either the capability for organic destruction would be delayed for the second LLW pretreatment module or management would have to assume that blending would have to address any problems that arose in the future.	1,600				
1220-	-	Develop/Evaluate Solids/Liquids Separations Alts	B1	4	Data from these tests will be used in trade studies that determine the acceptability of enhanced sludge washing, supporting M-50-03. Lack of this work jeopardizes the operation of the LLW pretreatment and potentially increase the volume of waste that will go to HLW vitrification.	10,400			10,392	**

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-30 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

Page 70

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
1220-	-	Develop/Evaluation sep tech for other rads (Part I)	B1	4	Needed to support waste treatment prior to processing in either HLW or LLW facilities. Potentially delays LLW processing.	3,800			3,800	**
1220-	-	Develop/evaluate sludge treatment alternatives	B1	4	Support of activities to reduce HLW glass volumes and supports completion of TPA milestone M-50-03. Delays completion of milestone.	1,900	*		2,200	**
1220-	-	Hot test facility activities	B1	4	Need for pilot scale testing of the pretreatment processes using real waste is necessary for facility design and process validation. management assumes significant cost, schedule, and technical risk that the LLW and HLW pretreatment plants can successfully operate if such test information is unavailable.	2,889	*			
1220-	-	Hot test facility activities	B1	4	Need for pilot scale testing of the pretreatment processes using real waste is necessary for facility design and process validation. management assumes significant cost, schedule, and technical risk that the LLW and HLW pretreatment plants can successfully operate if such test information is unavailable.	7,111			17,052	**
1220-	-	LLW pret mod I fac pret for startup phase I	B1	4	Supports hot operations of LLW pretreatment module, TPA milestone M-50-02. Ensures staffing, training, and other operations requirements are addressed in a timely manner. Delay hot operations of the LLW pretreatment module, TPA milestone M-50-02.	200			219	
1220-	-	Perform Technical Integration and Planning	B1	3	Provide program oversight and integrate pretreatment activity requirements. Planning and program element management would not be performed.	3,000				
1220-	-	Prepare Advanced Conceptual Design (ACDR)-LLW	B1	4	Needed to support Title I design. Delay of Title design and M-50-01-T02.	7,500				
1220-	-	Prepare Conceptual Design (CDR)-LLW Mod 1	B1	4	The CDR is needed in order to initiate Title design and meet TPA milestone M-50-01-T2. Title design would be delayed, delays completion of M-50-01-T2.	9,200				
1220-	-	Prepare PSAR - LLW Mod 1	B1	4	Complete PSAR is needed to start construction. Delay start of construction, impacting TPA milestone M-50-01.	300			532	
1220-	-	Prepare PSAR - LLW Mod 2	B1	4	Complete PSAR is needed to start construction of Mod II. Delay start of construction of Mod II.				89	
1220-	-	Prepare PSE - LLW MOD 1	B1	4	Hazard and potential consequences data is needed during	400				

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
					definitive design for prevention and migration of potential accident consequences. Delay of definitive design and other facility permitting.					
1220-	-	Prepare PSE - LLW Mod 2	B1	1	Hazard and potential consequences data is needed during definitive design for prevention and migration of potential accide consequences. Delay of definitive design and other facility permitting.	400	*		154	
1220-	2-	Prepare Advanced Conceptual Design (ACDR) -HLW	B1	4	Conceptual design needed to support definitive design. Ensures timely incorporation of solids/liquids seperation and sludge processing technologies. Delay of CDR activities could delay start of definitive design, TPA milestone M-50-04 -T02, or cause increased risk associated with uncertainties in technology development.	1,300	*		3,173	* **
1220-	2-	Prepare Conceptual Design (CDR) - HLW	B1	4	Supports completion of TPA milestone M-50-04-T01, CDR HLW pretreatment facility. Concurrent design with CDR LLW pretreatment facility ensures proper and timely integration of requirements. Creates possible disconnect between design of LLW pretreatment and HLW pretreatment (e.g., both LLW and HLW handling in each facility).	3,000	*			
1220-	2-	Prepare PSE - HLW Pretreatment Facility	B1	4	Hazard and potential consequences data is needed during definitive design for prevention and migration of potential accident consequences. Delay of definitive design and other facility permitting.				290	*
1230-	-	Conceptual Design	B1	4	Conceptual design activites include development of a CDR including the cost and schedule information required for key decisions 1 and 2. Impacts TPA milestones M-60-03 and-04.	12,420	*		14,900	* **
1230-	-	Disposal Systems	B1	4	Technology studies to support disposal systems engineering studies and designs. provide technical input to PA. This work is necessary to eliminate the conservation in the PA and better reflect the longterm performance. Determination of the best disposal system for LLW glass bill be delayed which will impact the PA and design/construction of diposal facilities. This will impact ORR since disposal systems will not be available.	311				
1230-	-	Grout Facilities	B1	1	Compliance with TPA milestones to maintain facilities in standby. The withdrawal of funding for the Grout Facilities	932				

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-30 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

Page 72

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: T										
1230- -	Integrated Process Systems	B1	5	Performance of technology assessment of all unit operations associated with the LLW vitrification facility. The primary focus will be on melter support systems (off-gas, feed systems, product handling, recycle systems, etc.). Delaying integrated process systems will delay the design of vitrification system. This includes items such as off-gas, feed handling, and glass handling systems. Delay to TPA milestones.	1,863					
1230- -	Maintain Technical Basis Documentation	B1	4	Develop a methodology and plan for media handling for the LLW disposal program. This will provide a system to track and recover documents and other written communications. Retrieval of key program documentation is essential to defend startup and disposal decisions. Lack of funding in FY95 and FY96 will increase the programmatic risk and delay this implementation. It is prudent to set up a system like this at the start of the program.	621	*		600		
1230- -	Matl. Properties Handbook Database	B1	5	Establish database for LLW to include formulation, simulant, glass types, leach rates, glass quality, and etc. Publish glass properties handbook with pertinent data. Impact would be delay issuing handbook and having a database for project participants to work from using same basis. This means a mismatch between design, PA, permitting.	207					
1230- -	Melter Technology Selection	B1	5	Evaluate the ability of different melter technologies to vitrify low-level waste. Activity will span FY '94 thru FY96. Develop melter technology selection criteria, perform melter testing of multiple technologies with outside vendors and select the optimum melter technology for the vitrification of LLW. Will not meet the TPA milestones for melter testing and selection of a melter system. This impacts the selection of 1996 of vitrification which impacts start of design	20,286					

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
1230-	-	Misc. Technology Studies	B1	5	construction, permitting. The impact would be a day-and-one-half-day-for-day delay. Development of handling techniques for vitrified product, waste form placement and etc. Where an engineering solution is not apparent, development of new technology will be developed. Impact would not allow looking at and evaluating privatization proposals, evaluations of activities by other sites ro DOE that could be used by LLW. Impact would be an increased risk that items mentioned would not be resolved in a timely manner.	414				
1230-	-	NEPA Documentation	B1	4	Support preparation of the data packages going to TWRS EIS contractor. Completion of the data packages is necessary for the EIS contractor to complete the EIS and calculate impacts of the TWRS program to the public. The EIS is on the critical path for the LLW program. Lack of funding for those critical path activity will have negative schedule impact upon the LLW disposal program essentially day for day.	311				
1230-	-	Non-Vitrifiable LLW Systems	B1	4	Results in the information required to generate the basis for stabilization, treatment, and disposal of these non-vitrifiable products. Impact delays identification of technologies to handle waste streams that will not be captured in the LLW glass. Such as off-gas HEPA filters.	1,346	*			
1230-	-	Operations Preparation	B1	4	This activity includes planning for plant operations. This will include training plans, staffing, staffing plan, startup plan, sampling plans, maintenance plans, operating plans, etc. Delay to TPA milestone M-60-05, Hot Operations.				1,300	*
1230-	-	Packaging Materials and Characterization	B1	4	Ensure that vitrified LLW and waste packaging materials are compatible and all LLW PA requiremnts are met. Develop glass quality requiremnts. Impacts to funding would delay construction and design of disposal/storage facility by 3-5 years if we do not determine up front the proper type of matrix materials, characteristics of glass and matrix material to meet long term disposal. Will impact approval of PA.	1,967				
1230-	-	Perform Engineering Review and Support	B1	4	Provide internal and external design review of LLW vitrification program documents. Lack of funding in FY 95	311	*		2,000	*

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
					and FY96 will increase risk and acceptance of the designing information.					
1230-	-	Perform engineering studies, Select baseline	B1	4	This activity evaluates potential sites for locating the process and storage/disposal facilities for LLW vitrification in the 200 Areas. Site selection is required to initiate the project. Lack of FY95 and FY96 would prevent issuance of the site selection report and would result in a day-for-day delay.	725	*			
1230-	-	Permitting	B1	4	Development of Part A, initiate Part B, and other related and required permits supporting design and construction activities. Programmatic technical risk and delays to construction TPA milestone.	207				
1230-	-	Preconceptual Design	B1	4	Follows up work from the Facility Ops Engineering study. The scope will also include assessing the inputs from the draft F&R documents and process flowsheets to prepare preconceptual design documentation, including block diagrams, HVAC, filtration and scrubbers, remote handling needs, transportation, cranes, electrical supplies and distribution, cold chemical storage and feed, compressed air, instrument air, etc. Lack of funding in FY95 and FY96 would impact the information detail available to the A/E through preconceptual design. Consequently, future costs would be impacted on a dollar-for-dollar basis. Risk would also increase for implementation of desired concepts and ability to merge TWRS	725	*			
1230-	-	Prepare Interim LLW Performance Assessment	B1	4	This task will prepare interim performance assessment to provide confidence before start of construction that the low-level waste disposal will pass DOE and public review. Lack FY 95 and FY 96 funding the interim LLW Performance Assessment will increase the risk to acceptance of the final disposal system design and waste form (cost and schedule risk).	725	*		600	*
1230-	-	Prepare Performance Assessments	B1	4	Develop strategies for Performance Assessment activities and provide guidance on how PA activities could affect other parts of the LLW project. The PA is required for startup. LAck of funding for the PA will increase the technical risk to disposal design concepts, waste form, and public	311	*		300	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
1230-	-	Prepare Preliminary and Final LLW PA	B1	4	acceptance of the LLW vitrification program and potentially delay the startup of facility. Complete the PA for review and approval by DOE-HQ and public review. The PA is required for startup. Lack of funding for the PA will delay completion of the PA. Lack of funding in FY 95 can be compensated in 2001 through 2005 with some increased risk.	3,933	*		4,800	*
1230-	-	Prepare Process Flowsheets	B1	4	Prepares LLW process flowsheets. This activity includes material balances, process description, assumptions, and rationales. This activity provides the technical basis for facility equipment, interfaces (utilities, process pipelines, etc.) and sizing. Failure to fund this activity in FY 95 and FY 96 would increase costs to the A/E in design, where this activity would need to be done. Lack of flowsheets would also increase risk of properly managed TWRS interfaces.	104				
1230-	-	Product Quality Acceptance	B1	5	This will define vitrification product quality criteria. This would delay how we monitor the waste form and disposal system, delaying the Part B permit.	700				
1230-	-	Project Definition Support	B1	4	This activity provides ongoing support to vitrification facility design and construction activities. Includes operability and maintenance interface, input to the project, and documentation review support. Impacts TPA milestone M-60-05, Hot Operations.	311	*		1,000	*
1230-	-	Project Management	B1	3	Project management activities consist of change control administratin, baseline management, program pain development, configuration control, cost reporting, procedure preparation, personnel management, reports/presenations, and quality assurance oversight. TPA milestone M-60-03 will not be met, if not funded.	1,863	*		2,200	*
1230-	-	Safety Analysis Reports/Permits	B1	4	SAR/permitting activities will provide documentation addressing significant safety aspects of the project and environmental documentaion addressing construction and operations. TPA milestone M-60-04 will not be met, if not funded.	414	*		600	*
1230-	-	Safety Documentation	B1	4	Prepare Hazard Classifications for the preconceptual design	311				

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: T											
					activities in FY 95 and FY96. Lack of funding will place the program at technical risk for the future levels of design, validation, and safety implementation required of the program for startup.						
1230-	-	Simulant Development	B1	5	Definition of LLW vitrification feed specs. Develop and procure simulant for melter technology testing. The simulant development directly supports melter testing and delaying simulant delays testing of melters. Minimum of a day-for-day delay.			828			
1230-	-	Vitrification oversight/planning	B1	3	Provide management technical direction for all technically related activities (melters, simulants, formulation, pilot plant, etc.). This is an account for the technology group to provide support to the program office. Impacts would be slow down planning, administrative activities, and implementation of technology strategy.			200			
1240-	-	Manage Project	B1	3	Support preparation for Key Decision 0. Needed for conceptual design, TPA milestone M-51-03-T01.					100	*
1240-	-	Perform Feed Specs/Processability Assessment	B1	5	Provide assessment of the acceptability of waste glasses, limits on key glass components, and estimated volume of glass. This support facility conceptual design and impacts 1998 TPA milestone M-51-03-T01. Delay of 2 years if not funded.			600	*	700	*
1240-	-	Perform HLW Process/Equipment Development and Testing	B1	5	Identify, test, and evaluate alternative process/equipment options to support melter system development testing and as preparation for conceptual design. This work is needed to evaluate balance of plant issues for each candidate melter and supports TPA milestone M-51-02. Delay of 3 years, if not funded.			2,900	*	3,100	*
1240-	-	Perform HLW Program Management Activities	B1	3	Provide program planning HLW strategy, preparation of Program Element budget, schedule, WBS and plans, and change control. Interface with other Program Elements. This is necessary to plan the HLW program. Without this activity, the program will not be managed.			1,200		1,300	
1240-	-	Perform Initial Feed/Process Development	B1	5	Develop feed processes/chemistry in support of process/equipment development. This is needed to evaluate balance of plant issues and supports TPA milestone M-51-02.			1,200	*	1,400	*

4/18/94

12:15 pm

Table: EM-30.db

Report #5

Sub

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-30 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

Case#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: T											
1240-	-	Perfrom Initial Glass Formulation	B1	5	Delay of 3 years if not funded. Develop and evaluate waste glass formulations based on HLW composition definition to support melter testing/evaluation, process equipment development/testing, pre-project systems trade studies, and preparation for conceptual design.	2,000	*		2,100	*	
1240-	-	Prepare HLW Process	B1	4	Develop HLW facilities scope and prepare functions and requirements for a HLW vitrification facility as preparation for conceptual design. This supports conceptual design and impacts TPA milestone M-52-03-T01. Delay of 2 years if not funded.	1,400	*		1,400	*	
1240-	-	Prepare HLW Process	B1	5	Perform trade studies on size and type of waste package (canister, cask, etc.), TRU waste disposal options, melter system options, facility configuration concepts, process/product control, and confinement systems. This supports conceptual design and impacts TPA milestone M-51-03-T01. Delay of 2 years if not funded.	2,500	*		4,500	*	
1240-	-	Prepare Waste Form Description Documentation	B1	5	Determine acceptability of waste form to the repository. Supports conceptual design of the facility, TPA milestone M-51-03-T01. Delay of 2 years if not funded.	200	*		400	*	
1240-	-	Select Melter Candidates and Perform HLW Melter Testing and Evaluation	B1	5	Conduct testing including vendor testing, evaluation, and development as candidates for the HLW vitrification facility. Vendor testing includes benchscale melters for selection of 2 melter systems for further testing. This testing is necessary to select the reference melter in 1998 as required by TPA interim milestone M-51-02. Delay of 3 years if not funded.	5,200	*		434	*	
1240-	-	Select Melter Candidates and Perform HLW Melter Testing and Evaluation	B1	5	Conduct testing including vendor testing, evaluation, and development as candidates for the HLW vitrification facility. Vendor testing includes benchscale melters for selection of 2 melter systems for further testing. This testing is necessary to select the reference melter in 1998 as required by TPA interim milestone M-51-02. Delay of 3 years if not funded.				8,166		
1280-	-	Construct 6 New Tanks	B1	1		82,000					
2200-0-	-	Solid Waste Permitting and Closures	B1	6	No changes in workscope and funding increase represents add'l Productivity Challenge Commitment.	4,861			68		

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: T											
2200-1-		Enhanced RMW Storage-Phase V (W-112)	B1	2	No changes in workscope and funding increase represents add'l Productivity Challenge commitment.	21,797			146		
2220-1-		WRAP 1 (W-026)	B1	2	This add'l funding will provide for preparation of the facility administrative configuration control. This level of funding is insufficient to support increasing staff levels to start-up the TRU line.				1,650	*	
2220-1-		WRAP 1 (W-026)	B1	2	This add'l funding will provide for preparation of the facility administrative configuration control. This level of funding is insufficient to support increasing staff levels to start-up the TRU line.	8,537			236		
2230-1-		WRAP 2A (W-100)	B1	3	At this funding level, efforts to Privatize Mixed Waste treatment are fully supported. If Privatization is unsuccessful resumption of the project is funded in FY97 at \$40M dollars, however, the project is delayed 20 months. The project funding is reduced assuming Privatization is successful in meeting the requirements of the M-19-00 milestone.				1,482		
2230-1-		WRAP 2A (W-100)	B1	3	At this funding level, efforts to Privatize Mixed Waste treatment are fully supported. If Privatization is unsuccessful resumption of the project is funded in FY97 at \$40M dollars, however, the project is delayed 20 months. The project funding is reduced assuming Privatization is successful in meeting the requirements of the M-19-00 milestone.	10,520			8,500	*	
2300-0-		200 Area Systems Engineering New Feed Definition	B1	5	Supports investigation and acceptance of potential new feeds into 200 Area ETF and TEDF for treatment and disposal. The ETF was designed to treat a wide range of dilute waste water streams. To allow the treatment of streams other than the 242-A process condensate, several complex regulatory and treatment train processing issues must be satisfied. Tasks include: Enhance ETF complex flexibility; waste water feed logic; ETF utilize/process eng. interface; and treatability-lab testing. Impacts: Potential for TPA M-13 and M-34 milestones to be delayed if logic defines ETF as appropriate treatment facility.	823			356		**
2300-0-		200 Area Systems Engineering-	B1	5	Evaluates tritium removal technology and prepares yearly	134					

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: T											
		Tritium Study			status report. Impacts: TPA M-26-05 milestone would be missed.						
2300-0-		340 Facility 2nd Containment/Leak Detection (Project W-302)	B1	2	Provides for engineering to support FY 97 Line Item for replacement of the 300 Area Radiation Process Sewer and 340 Facility. Impacts: Non-compliance with WAC/RCRA for tank systems secondary containment and leak detection requirements. Possible fines or shutdown causing closure of 300 Area Facilities including labs and delaying TWRS TPA milestones associated with core sampling and safety investigations.	380		*			
2300-0-		Interim Compliance	B1	1	Supports Groundwater Impact Assessment to allow interim discharges to T ditches and B Pond to continue. Maintains LEMIS system required by TPA milestone M-35 as a database available to regulators. Impacts: TPA M-17 and M-35 milestones missed and possible shutdown of T-Plant, Tank Farms, and B-Plant streams discharging to B Pond.	590					
2300-0-		Miscellaneous Streams	B1	1	Implements the plan and schedule for disposal and regulatory compliance of misc. streams submitted to Ecology in 1/94 as required by the Consent Order. Tasks include development of Best Management Practice, Injection Well registrations, and WAC 173-216 permit submittals. Impacts: Consent Order DE91NM-177 milestones would be delayed. Potential to result in fines and cease discharge orders for these streams impacting PUREX, Tank Farms, UO3, 222S, and steam distribution system.	1,421			472		**
2300-0-		Program Management	B1	3	Provides the planning, budgeting, statusing, performance monitoring, customer interface, and program direction for the Liquid Effluents Program. Impacts: TPA M-17 and Consent Order DE-91NM-177 milestones missed and TPA Article XLVIII, paragraphs 138/139 Cost, Schedule, and Scope Planning and Reporting not supported.	1,493					
2300-1-		Phase II BAT/AKART (Project W-252)	B1	1	Continues project support and initiates construction of Phase II streams BAT/AKART implementation for Tank Farms, B-Plant, and 284-E Powerplant to meet Oct 97 M-17 milestone. Impact: TPA M-17-00B milestone would be missed.	500		*			
2300-1-		Phase II BAT/AKART (Project W-252)	B1	1	Continues project support and initiates construction of Phase	772					

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: T										
2300-1-		Phase II BAT/AKART (Project W-252)	B1	1	II streams BAT/AKART implementation for Tank Farms, B-Plant, and 284-E Powerplant to meet Oct 97 M-17 milestone. Impact: TPA M-17-00B milestone would be missed.	4,579			8,523	**
2310-1-		HEC Project Expense Support	B1	2	Provides overall HEC project administration and closeout costs for subprojects C-018H, C-031H, L-045H, W-007H, W-049H, and W-291H. Impacts: TPA M-17 and M-32-01B will be missed shutting down 242-A Evaporator, 300 Area labs, PFP, and B Plant facilities.	1,400				
2320-2-		h-Project W-259, T Plant Secondary Containment and Leak Detection	B1	2	Complete Advanced CDR, initiate Definitive Design and permitting. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.				2	
2320-2-		h-Project W-259, T Plant Secondary Containment and Leak Detection	B1	2	Complete Advanced CDR, initiate Definitive Design and permitting. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.	300	*		38	*
4110-0-		K Basins Environmental Compliance activities	B1	2	If not funded, WMC will be in non-compliance with DOE Orders NPDES and Tri-Party Agreement (M-34-00).	1,257				
4110-0-		K Basins TPA Reponse Actions	B1	1	The TPA enforceable milestone (M-34-00) of treatment and disposal of the contaminated water in 105 KE spent fuel basin will not be met. This could result in citizen suits against RL and WMC as demonstrated by legal actions taken by Heart of America in 1993. EPA has also identified that the environmental insult from groundwater from 105 KE Basin is compromising the remediation of the 100-KR-4 Operable Work Unit.	340				

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: T										
4110-0-		K Basins TPA Reponse Actions	B1	1	The TPA enforceable milestone (M-34-00) of treatment and disposal of the contaminated water in 105 KE spent fuel basin will not be met. This could result in citizen suits against RL and WHC as demonstrated by legal actions taken by Heart of America in 1993. EPA has also identified that the environmental insult from groundwater from 105 KE Basin is compromising the remediation of the 100-KR-4 Operable Work Unit.	1,400	*		2,081	
4110-0-		KE Encapsulation	B1	1	Failure to encapsulate the fuel in K East Basin will allow fuel degradation to continue unchecked, in direct contact with the basin water. This, in turn, will increase the sludge inventory and continually add radioactive contaminants to the water. Evaporation then emits contaminants to the atmosphere through gaseous effluent discharges. Failure to encapsulate fuel will directly impact the ability to meet TPA milestone M-34-00.	7,801	*			
4110-0-		KE/KW Essential Systems Upgrade	B1	2	If not funded, the seismic problems identified during an RL surveillance will not be corrected. The security system maintenance problems and costs will continue to increase due to antiquated systems and unavailability of spare parts. Fire protections risks will increase, particularly in the fuel storage basins; where property loss due to a fire would be several million dollars and could be accompanied by release of on-site contamination.	5,056	*		1,639	*
4110-0-		S/RIDS - K Basins	B1	2	Provide documentation of adherence to standard records control.	99	*			
4110-0-		S/RIDS - K Basins	B1	2	Provide documentation of adherence to standard records control.	101				
4110-0-		Water Plant Upgrade	B1	2	Failure to fund this project will result in contined risk of prolonging the life of the current outdated and undersized water supply system. The existing facilities are old and rusting and failure of all or parts for the system is a definite possibility.	2,500			500	
4190-0-		B Plant Environmental Compliance	B1	2	Funds ongoing management of the liquid and gaseous effluent systems, NESHAPs, Part B Permit, and Tank Integrity Assessments. If not funded, B Plant would be in non-	1,482				

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ad#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
7100-0-		l-325 Lab Hot Cell Cleanout	B1	1	compliance with RCRA, WAC, and CAA; as well as miss critical TPA milestones. Complete cleanout of "B" Cell in the high level radioactive facility. An add'l \$3.0M is funded by the TWRS Characterization ADS 1130.	1,800				
7100-0-		m-LIMS development/implementation	B1	1	The Laboratory Information System (LIMS) is required to replace the outdated system at 222-S and provide new systems for 325 and WSCF. This project is currently ongoing with continued implementation of new features and functionality through systems configuration and development activities. An add'l \$1.1M in FY 1995 and \$1.1M in FY 1996 is funded by the TWRS Characterization ADS 1130.	1,700	*			
7100-0-		n-222-S Laboratory Facility Renovations	B1	1	Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds three rooms in FY 1995.	539				
7100-0-		n-222-S Laboratory Facility Renovations	B1	1	Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds three rooms in FY 1995.	2,300	*			
7100-0-		o-325 Facility Renovations	B1	1	Capacity upgrades required to support at the ready-to-serve level. An add'l \$1.7M in FY 1995 is funded by the TWRS Characterization ADS 1130. Renovate add'l square footage of the Radiochemistry Laboratory Suite and the Inorganic Analysis Laboratory Suite. Failure to receive the funding to continue the renovation of these laboratory areas will leave the ACL with a reduced analytical capacity from that which was originally available. This is due to the fact that the renovations will be interrupted mid-way through the process and the laboratory will be left in a state of partial completion.	1,500	*			
7100-0-		p-222-S Productivity/process improvements	B1	1	This funds efforts to bring the cost per sample analysis down by implementing cost-saving improvements that require up front investment.	800				

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	
Case: T									
7100-0-	q-GPP/Small Projects	B1	1	Funds GPP small projects that have been routinely identified each year. Identified GPP in FY 1995, in FY 1996, W-368 Laboratory Maintenance Annex, W-370 222-S Septic System.	1,200			-1,500	
7100-1-	h-Project Support under Directive	B1	3	Expense support to projects authorized under directive and preliminary engineering studies to examine the feasibility and workscope of a proposed project.	531				
7100-2-	i-W-087 Radioactive Liquid Waste Line Replacement	B1	2	This project will replace the radioactive waste drain piping from the hot cells in 222-S to 219-S and provide a new transfer route from 219-S to the tank farms. This project is required to support the Part B permit for the 222-S facility and the TPA milestone M-32.	107			101	
7100-2-	j-W-087 Radioactive Liquid Waste Line Replacement	B1	2	This project will replace the radioactive waste drain piping from the hot cells in 222-S to 219-S and provide a new transfer route from 219-S to the tank farms. This project is required to support the Part B permit for the 222-S facility and the TPA milestone M-32.	8,500			4,900	
7100-2-	j-W-087 Radioactive Liquid Waste Line Replacement	B1	2	This project will replace the radioactive waste drain piping from the hot cells in 222-S to 219-S and provide a new transfer route from 219-S to the tank farms. This project is required to support the Part B permit for the 222-S facility and the TPA milestone M-32.	500	*		100	*
7100-3-	k-219-S Tank Upgrades (W-178) M-32	B1	2	This project will provide the 219S facility with secondary containment for tanks 101, 102, and 103. The project is required to support the TPA milestones M-32 and the Part B permit for the 222-S.	2,080				
7110-0-	o-Expense Support to Projects	B1	1	Engineering studies, FDCs, CDRs, and conceptual planning for the candidate construction projects. Supports continued availability of laboratory facilities.	794			600	
7250-0-AE	HMP	B1	3	Revise Hanford Mission Plan "Site Guidance" to allocate Systems Engineering-defined products to programs. The Site Guidance provides a common basis for program planning and linkage with SE. Prepare add'l material balances adding SE and stakeholder cases. Begin development of time phasing of process flow models. The material balances are used to assess integration and completeness of SE and Program planning baselines and alternates. Regulatory Analysis task	1,415			405	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: T											
7250-0-AI		MYPP Coordination	B1	3	will identify key regulatory driver and support upgrade of the SE products, as well as "site guidance." Support public/stakeholder participation in formulation and review of Hanford Site level planning. This will ensure range of This activity develops the Hanford technical, schedule, and cost baseline documents which performance will be measured against. The development of the Site Integrated Schedule will be a direct product and outcome of the Hanford programmatic baseline information. This activity provides for training to develop improved methods for activity based planning and cost estimating. Technical cost assessments and reviews are performed in order to assure compliance with DOE requirements and WHC procedures. Baseline technical reviews provide an independent validation of workscope.	1,515					
7330-	-	Air and Water Permitting	B1	2	Supports regulatory Air and Water Permitting activities for the Hanford Site. Supports site-wide storm water permit, UIC, drinking water, and other related regulations required by Clean Water Act, support compliance with Clean Air Act site-wide air operating permit requirements. Criminal and civil penalties for noncompliance.	1,015					
7330-	-	Capital Equipment	B1	2	Supports capital equipment vehicles and UNIX computer purchase.	170					
7330-	-	Environmental Reporting	B1	2	Supports preparation of mandatory regulatory reports. Supports annual Tri-Party Agreement M-26 milestone requirements and Clean Air Act sitewide operating database maintenance.	1,762					
7330-	-	NEPA Coordination	B1	2	Support management/facilities on overall NEPA/SEPA activities to ensure consistency and compliance (10 CFR 1021).	231				236	
7330-	-	Program Administration	B1	2	Provides program management/financial administration for the program.	457					
7330-	-	RCRA Permitting	B1	2	Supports regulatory RCRA permitting coordination, issue resolution, and assurance of consistency for the Hanford Site. Failure to comply with Hanford Facility RCRA/Dangerous Waste permit if not funded.	391					
7330-	-	Regulatory Field Support	B1	2	Supports facilities in identifying and complying with regulatory requirements/documentation of regulatory	981					

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: T											
					audits/inspections.						
7330-	-	TSD Permit Requirements	B1	2	Supports activities required by the Hanford Facility RCRA/Dangerous Waste Permit. Specific requirements include: facility-wide inspections, permit waste inventory, closure costs and waste minimization activities, permit recordkeeping and retrieval, and compliance oversight coordination.		1,956				
7330-	-	TSD Permit Requirements	B1	2	Supports coordination of facility-wide permit requirements and RCRA/Dangerous waste permit modification. Permit required by WAC 173-303.		548			583	
7330-	-	Tri-Party Agreement Integration	B1	2	Supports Tri-Party Agreement Milestone Managers for programs.		400	*		384	*
7330-	-	Tri-Party Agreement Integration	B1	2	Supports partial Tri-Party Agreement integration.		984				
7330-	-	Tri-Party Agreement Integration	B1	2	Supports remaining TPA Hanford Site Integration. Failure to provide adequate support will impact coordination of TPA implementation and negotiations.					178	
7332-	-	Pollution Prevention	B1	2	Supports pollution prevention reporting requirements and general program development for the entire Hanford Site.		563				
7340-0-AA		Capital Equipment	B1	2	New or replacement equipment for environmental monitoring, 40CDR61, 40CFR265/Monitoring equipment no longer functional as equipment fails.		2,000				
7340-0-AC		Groundwater Monitoring	B1	2	Samples collected and analyzed in support of RCRA, SDWA, CSW, and 40CFR265 requirements/Noncompliance will place GW and public at risk		1,900	*			
7340-0-AC		Groundwater Monitoring	B1	2	Samples collected and analyzed in support of RCRA, SDWA, CSW, and 40CFR265 requirements/Noncompliance will place GW and public at risk		6,090				
7340-0-AC		Groundwater Monitoring Well Sampling and Analysis	B1	2	Samples collected and analyzed in support of RCRA, SDWA, CWA, and 40 CFR 265 requirements. Noncompliance will place GW and public at risk.					1,921	
7340-0-AC		Groundwater Support activities	B1	2	Administrative support to Geoscience and the GW monitoring activity, 40CFR265/Loss of geohydrological oversight		690				
7340-0-AC		Project Scientist Support	B1	2	Technical support to geoscience monitoring activities/Loss of geohydrological technical expertise		1,100			1,125	
7340-0-AC		Purgewater Disposal	B1	2	Maintains compliant disposition of purgewater/Stored purgewater would cause greater costs		250				
7340-0-AC		RCRA Reporting and Data Management	B1	2	RCRA, WAC, and 40CFR265 require data management of GW data/Noncompliance due to lack of records		1,282			395	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: T										
7340-0-AD	Groundwater Well Maintenance/Decommissioning	B1	2	Well must be maintained for groundwater monitoring, 40CFR265/Without wells, GW monitoring does not function	1,300	*				
7340-0-AD	Groundwater Well Maintenance/Decommissioning	B1	2	Well must be maintained for groundwater monitoring, 40CFR265/Without wells, GW monitoring does not function	2,286					
7340-0-BA	Compliance and Technical Management	B1	2	Reporting and compliance with air emissions/Air Emissions Report not submitted to EPA	150					
7340-0-BA	Effluent and Environmental Monitoring 200/600	B1	2	Clean Air Act, 40CFR61/Reporting requirements would be noncompliant and an unsafe practice if not performed	500	*				
7340-0-BA	Effluent and Environmental Monitoring 200/600	B1	2	Clean Air Act, 40CFR61/Reporting requirements would be noncompliant and an unsafe practice if not performed	3,600					
7340-0-BA	NESHAP Compliance Support	B1	2	Study new or replacement monitoring requirements for NESHAP Compliance/Noncompliance with EPA-NESHAP Orders	965					
7340-0-BB	Active Cribs, Ponds, and Ditches	B1	2	Active liquid discharge sites must be monitored to ensure operating parameters are maintained/Unmonitored liquid discharges to soil column	790					
7340-0-BB	Inactive Crib Monitoring (Vadose Zone)	B1	2	Monitors vadose zone for contamination spread/Expensive core sampling	235					
7340-0-BB	Inactive Crib Monitoring (Vadose Zone)	B1	2	Monitors vadose zone for contamination spread/Expensive core sampling	1,000	*				
7340-0-BB	Seismic Monitoring	B1	2	Maintain surveillance of the Hanford Site and surrounding portion of eastern Washington/Could prohibit future construction	480					
7340-1-AG	Groundwater Well Drilling Support	B1	2	Technical support to GW well planning/Noncompliance with TPA	600	*				
8400-0-AA	Refrigerant Replacement program	B1	2	Regulatory requirement to phase out the use of regulated refrigerants. If not funded, fines may result from violations of environmental laws.	155	*				
8400-0-BB	Cultural Resources Management	B1	2	Regulatory requirement for protection of Hanford Site historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform cultural resource reviews in piecemeal fashion.	86	*			475	*
8400-0-BB	Cultural Resources Management	B1	2	Regulatory requirement for protection of Hanford Site historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform cultural resource reviews in piecemeal fashion.	654				82	
8400-0-BB	Cultural Resources Management	B1	2	Regulatory requirement for protection of Hanford Site historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform cultural resource reviews in piecemeal fashion.	1,200				1,200	**

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000)			(\$,000)		
					FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: T										
8400-0-CA		Public Safety and Resource Protection Program	B1 2	funded, would result in continuing the current activity to perform cultural resource reviews in piecemeal fashion. Independent assessment of the impacts of Hanford on the environment and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site Environmental Report; provides meteorological/climatological services, samples and analyzes groundwater. Provides dosimetry coordination, analytical support services, Native American interaction, NEPA Characterization, a grant to Nature Conservancy, and public/educational outreach activities. Failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations, and the public as baseline information on Hanford environmental status.	9,253					
8400-0-CA		Public Safety and Resource Protection Program	B1 2	Independent assessment of the impacts of Hanford on the environment and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site Environmental Report; provides meteorological/climatological services; samples and analyzes groundwater. Provides dosimetry coordination, analytical support services, Native American interaction, NEPA Characterization, a grant to Nature Conservancy, and public/educational outreach activities. Failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations, and the public as baseline information on Hanford environmental status.	2,900		*			
8400-0-CB		Hanford Ecological Compliance Assessment	B1 2	Partial funding towards the regulatory requirements for protection of endangered wildlife, habitat, and vegetation during operation of the Hanford Site. If not funded, fines and work stoppages may result.	193				208	
8400-0-EA		RMW Storage Tank Inspection (PNL)	B1 1	Regulatory compliance for inspection of highly radioactive storage tanks. If not funded, tank integrity cannot be demonstrated, leaks may not be stopped, and the potential for release of radioactive material to the environment may increase.	1,368		*			
8400-0-KA		Pollution Prevention Program	B1 2	Regulatory requirement for pollution prevention program. If	465		*			

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)			
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I	
Case: T												
8400-0-LA		NEPA compliance program	B1	2	not funded, the RCRA hazardous waste manifest cannot be approved resulting in the inability to ship hazardous and radioactive mixed waste to disposal/storage facilities. Regulatory requirement to assess environmental compliance of PNL programs. If not funded, fines may result and facilities/programs may be shut down.	560						
8400-0-PA		RCRA Permitting	B1	2	Regulatory requirements for permitting basic research in the treatment of RCRA hazardous wastes. If not funded, would result in failure to meet TPA milestones, potential fines for RCRA violations, and shutdown of operations.	400						
1100-	-	Purchase HLLW Cask and Pumping System	B2	1	Required for SST emergency pumping in the event of a leaker. Tri-Party Agreement milestone M-41-03B, "Delivery of the mobile high-level waste transport cask."	1,200						
1120-0-		Engineered Tank Farm Hardware	B2	4	Develop transfer pumps for tank farm wastes. Develop design guide for equipment to be installed in tanks. Higher fiscal and environmental costs associated with equipment which does not consider life cycle costs in their design.	1,200						
1120-0-		Liquid Level Gauges	B2	4	Installation of new liquid level gauges on all DST and SST with surface liquid. Continue operation of unreliable high maintenance system.	1,700						
1120-0-		Long Length Contaminated Equipment Disposal	B2	4	Develop protocol and hardware for the disposal process. Failing to implement such a strategy has an estimated cost impact of over \$1 Billion.	5,700						
1120-0-		W-372 Long Length Waste Equipment Transfer Port (LLWERP) (CWO)	B2	4	Design and construction of portal addition to the south end of the T Plant canyon for long-length equipment decontamination. Long-length equipment will be handled with current high costs and environmental risks.	1,900						
1120-0-		W-373 Long Length Waste Equipment Storage Facility (LLWESF) (CWO)	B2	4	Construct a building for greater than 90-day storage of containerized long-length contaminated equipment (LLCE). Non compliance with 90-day storage regulations.	400						
1120-0-		W-374 Long Length Waste Equipment Container Storage Facility (LLWESF) (CWO)	B2	4	Design and construct a controlled storage yard for empty long-length contaminated equipment (LLCE) containers. Containers for emergency disposals will not be ready for immediate use. Delay in reaction time to failed long-length equipment installed in tanks.	400						
1120-0-		W-375 Long Length Containment Cold	B2	4	Modify a cold test facility for development testing operator	400						

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			
			RL	Grnbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I
Case: T									
		Test Facility (LLCCTF) (CWO)			training for equipment associated with the disposal of LLCE. inadequate operator training for disposal of contaminated equipment. Cost impact due to inefficiency.				
1230-	-	Program Management	B2	3	Providing overall management and guidance of the program. Preparation and submittal to customer of business plans (FYWP, MYPP, ADS). Support to public involvement and systems engineering process. Path to success for HLW. Should this activity be reduced or cut, the thread of the program would be lost. This is a major part of the success of LLW. Would impact TPA milestone.		6		
2300-	0-	Miscellaneous Streams BAT Implementations	B2	1	Provides engineering report for miscellaneous streams Line Item and initiate FDC. Impacts: Consent Order DE 91MN-177 milestones would be delayed. Potential to result in fines and cease discharge orders for these streams impacting PUREX, Tank Farms, U03, 222S, and steam distribution system missions.			362	**
2320-	1-	i-Project C-077, T Plant Ventilation Upgrade	B2	2	Complete the Advanced CDR. The upgrade is required for: 1) worker safety/ALARA (10 CFR 835), calls for the minimization of the spread of airborne rad contamination within the 221-T canyon; 2) worker efficiency (DOE Order 6430.1A), canyon access is limited to 15 minute intervals per worker during 80 degree or higher temperatures in the summer, extending the intervals beyond 15 minutes increases the risk of skin contamination due to perspiration. Conversely, inadequate heating systems have created freezing conditions during the winter. Respirator face plates tend to fog in cold conditions, creating serious safety hazards for personnel; and 3) negative differential pressure (MAC 173-400), to				4
7360-	-	Essential Materials	B2		Includes container/drums to store waste.		25		4
7360-	-	Radio equipment	C1		Radio equipment including cellular phones.				1
7360-	-	Radio equipment	C1		Radio equipment including cellular phones.		5		1
7360-	-	Telecommunication	C1		Parts for faxes, computers, radios, and telephone equipment.		50		8
1120-	0-	Compressed Air System Upgrades	C2	4	Assessment/replacement of compressed air systems in remaining (non-watch list) tank farms. Inefficient operations. Increased instrument unreliability.		200		500
1120-	0-	Consolidate Alarm Panels	C2	4	Replacement/upgrade of old alarm panel systems with state-of-		400		600

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub	Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)							
					RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I		
							the-art circuitry. Inefficient operations of unreliable equipment. Operators work in a cluttered environment with invalid alarms.								
1120-0-				Control Room Upgrades	C2	4	Upgrade the control room instrumentation and electrical systems to replace equipment not in compliance with current standards and regulations. Non-compliance with standards and regulations.	800							
1120-0-				Diesel Generator Upgrades	C2	4	Replacement of diesel generators to provide emergency power supply for tank farms. Non replacement of older generators could possibly result in loss of emergency power to instrumentation at tank farms during power outages.	300				300			
1120-0-				Electrical and I&C GPP Definition	C2	4	Identify General Plant Projects required to support electrical and I&C upgrades. Necessary instrumentation and electrical upgrade General Plant Projects will remain undefined and unworked.	200							
1120-0-				General Plant Projects (GPP) Facility Definition	C2	4	Identify General Plant Projects required to support facility upgrades. Necessary General Plant Projects, such as lighting upgrades, will go undefined and unworked.	400					3,400		
1120-0-				NDAT Mitigation	C2	4	Replacement of handwritten field data sheets and procedures with hand held data acquisition computers to improve data quality and retrieveability. Inefficient operations. Potentially higher operator error. Longer stay in contaminated zone (ALARA).	500					600		
1120-0-				Mechanical GPP Definition	C2								3,400		
1120-0-				Upgrade Operating Procedures	C2	4	Upgrade of the operating procedures to support operations and maintenance activities. Operating procedure will not be in compliance with current standards and regulations.	700							
1120-1-				W-188 Radiological Support Facilities	C2	4	Design and construct compliant change facilities, office space, and permanent WRAM stations. Individuals which become contaminated during operations must be transported to shower locations outside the farm. Co-mingling issues. Continue working in crowded conditions in temporary change trailers.	200					800		
1130- -				Operate offsite Characterization Lab to support THRS/Analyze	D1	4	Provides containers for sending samples offsite. Offsite labs are required to meet schedule commitments.	9,800							
1130- -				Upgrade offsite Characterization Lab to support THRS/Analyze	D1		Upgrades one offsite lab for THRS support. One offsite lab is required to meet DNFSB commitments.	350							

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)					
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: T											
1200-	-	Acquisition management	D1	4	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.				67		
1200-	-	Business Management/Integration	D1	3	Provide appropriate business management control of TWRS projects. Poorly managed projects and non-compliance with DOE 4700.1.				1,035		
1200-	-	Business management	D1	3	Perform overall business management and program management and integration of \$662M of work activities in FY95. Loss of ability to establish and update baseline, track status, and measurement performance as requested by DOE orders and good management.				118		
1200-	-	Clerical Support	D1	3	Provides for GSS Contractor, clerical support, and support to other DOE laboratories.				377		
1200-	-	Communications and Building Management	D1	3	Division level communications, administration, employee recognition, and building administration. Significant reduction in morale of TWRS employees.				1,125		
1200-	-	DOE Lab Support	D1	3	Provides for GSS Contractor, clerical support, and support to other DOE laboratories.				776		
1200-	-	Employee Concerns/Suggestions	D1	4	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.				136		
1200-	-	General Supply Service Contractor	D1	3	Provides for GSS Contractor, clerical support, and support to other DOE laboratories.				4,486		
1200-	-	Information Resources Management	D1	4	Establish and maintain a TWRS centralized information resources management system, including computer databases, document control, and record management. The element includes development of appropriate software and acquisition of hardware to support the program. Continued decentralized, mixed, and contradicting data, which will affect two TPA milestones and put program out of compliance with Program				2,174		

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: T											
1200-	-	Program Management	D1	2	Management Plan and Annexes. Development and support of TWRS-wide ESH&QA compliance issues and complians plans; TWRS infrastructure to support ESH&QA compliance; establishing the ESH&QA self-assessment programs; defining the environmentla envelop and continued support of programatic documents. Continued fragmented and ineffective compliance with requirement which will result in fines and other non-compliance actions.		208				
1200-	-	Program Management and Support	D1	5	Increase staff and contract help to expand technology vase in support of privatization, systems engineering, ad dedicated end function program management. Overall reduction in technology support would increase risks of not having alternative technologies to support program.		1,139				
1200-	-	Program Planning	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.		1,663				
1200-	-	Public Involvement Execution	D1	6	Provides limited planning for mandatory program level public involvement and building administration. Failure to plan or have quality public involvement will destroy credibility.		49				
1200-	-	Public Involvement Management	D1	6	Provides limited planning for mandatory program level public involvement and building administration. Failure to plan or have quality public involvement will destroy credibility.		131				
1200-	-	Re-engineering and Production	D1	4	Continue prosectution of Profile II savings and other productivity initiatives, development of annual staffing plan, and individual Qualification and Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initatives and non-compliance with DOE orders and DNFSB commitments.		668				
1200-	-	Readiness Review Management	D1	4	Manages the formal ORR program for all TWRS activities. Greatly increases risk of approving startup/restart of facilities and forces non-compliance with DOE 5480.31 which requires independent ORR. Can affect future mixer pump installation and numerous TF upgrades in FY95.		283				

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: T											
1200-	-	Systems Engineering Management Plan	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.		52				
1200-	-	Systems Engineering Tools	D1	3	Significantly expand modeling and risk analysis capabilities to analyze program alternatives and establish dynamic simulation to identify areas of risk in completing program. Unable to assess risk in a quantitatively defensible manner, which jeopardizes capital funding's major criticism of NAS and DNFSB.		1,035				
1200-	-	Training and Qualification	D1	4	Continue prosecution of Profile II savings and other productivity initiatives, development of annual staffing plan and individual Qualification Training Plans and preparation of Acquisition Plan. Loss of tens of millions of dollars in productivity initiatives and non-compliance with DOE orders and DNFSB commitments.		268				
8400-0-BA		Standards/Requirements Identification Documents (S/RIDs)	D1	2	DNFSB recommendation to assess compliance with all standards/regulations. If not funded, audit findings may result.					1,089	*
7250-0-AA		Risk Assessment	D2	3	Integrated Risk Assessment Program (IRAP) develops and implements methodology for site-wide risk assessments. IRAP estimates risk to the public, workers, and ecosystem for three time periods: at the current time, during remediation, and for the final site end-state. At the FY 1995 Target level, the public health baseline risk assessment continues, but is not completed. The FY 1996 increment allows the worker health baseline risk assessment to continue.		1,911			867	
7250-0-AB		PI Program Management	D2	3	Basic PI program coordination, required to complete SMS and PTS reporting, change control administration. Also includes PI program planning documentation, including coordination of the MYPP/FYWP/ADS, etc.		174				
7250-0-AC		Baseline Integration Management Support	D2	3	Management support and administration of Five Year Plan and MYPP activities.		288				
7250-0-AD		Progress Tracking System	D2	3	RL will be in compliance with the HQ mandated reporting		614				

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub	Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
					RL	Grmbly		FY 95	FY95P	FY95I	FY 96
Case: T											
		7250-0-AG		Systems Engineering	D2	3	requirements by the Undersecretary to comply with OMB managed directions--105 Stat 1290 Sec. 3135(a); DOE Order 2250.1C, CSCSC; DOE Order 4700.1 Project Management System; and the Office of Waste Operations-Management Policies and Requirements. The impact if not funded is inconsistency with the balance of the DOE complex in their monthly reporting of activities to HQ.	1,140			
		7250-0-AJ		ADS preparation and submittal (prioritization, ADS reviews, program planning/development)	D2	4	ADSs are the RL/HQ prescribed means of formulating the EM budget (RL Directive 9401152B, Grumbly Guidance January 21, 1994). ADSs are also the designated medium for discussing Hanford's workscope and budget request with the regulators (TPA paragraph 139-c,d, and f). Coordination of the preparation of ADSs form the basis of Hanford's budget request leading to the congressional budget appropriation. Impact if not funded: Out of compliance with RL/HQ directive; no funding for legally mandated workscope.	667			
		7250-0-AJ		Five Year Plan Systems Development, public participation, computer steering group, budget support	D2	4	Required to test, debug expanded EPDS, Windows platform, client server. Impact if not funded: increased maintenance, system failure.	218			
		7250-0-AJ		IRM support to FYP EPDS and RPM	D2	4	EPDS is the computer platform used to develop ADSs, provides documentation of workscope cost estimates via Resource Pricing module (RPM). Impact if not funded: No ADSs or ADSs not in format mandated by HQ directive; inconsistent documentation of cost estimates, inability to interact with HQ system.	564			
		7250-0-AK		Risk Management	D2	3	This implements risk based decision making at Hanford by establishing a consistent, systematic structure. It is based on EM initiative and linked to SE. Complete identification of site objectives, development of risk measures and functions for criteria, to apply to identification, selection, and analysis of alternatives in systems	628			

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)			
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I	

Case: T												
1120-0-		W-364 209E Septic Tank Upgrade (GPP)	E1	4	engineering; support MYPP budget priority formulation by facilitating risk based decision process; complete input to Systems Engineering Manual (procedures to implement Risk Management and set framework for analysis); specify focus for analysis of sitewide risk picture and provide linkage between Systems Engineering and Integrated Risk Assessment; adapt EM Install septic tank and drain field at 209E building. Continue frequent pumping of septic tank. Poor management practice.	500						
7360-	-	General Supplies/Computers	E1		Includes office furniture, computers, and software. Also essential items for fire protection and medical supplies.							42
7360-	-	General Supplies/Computers	E1		Includes office furniture, computers, and software. Also essential items for fire protection and medical supplies.	215						29
7360-	-	Process Spares Administration	E1		Administration, planning, reporting, and training for Process Spares, telecommunications, and essential materials. Includes reorders, shelf criteria, assist in annual physical inventories, and perform spares annual review.	394						60
7360-	-	Program Support	E1		Monthly reporting to PTS and SMS. Preparation of EAC and ADS Five-Year Plan, and MYPP.	48						7
7360-	-	Reserve Allowance for Loss	E1		Set aside reserve for inventory losses from damaged, disposal, excess, shrinkage, or deterioration.	99						15
7360-	-	Warehouse	E1		Occupancy of 2101M and 275EA	823						126
7360-	-	Warehouse Administration	E1		Warehousing receiving and transportation of inventories of area warehouse.	576						89
-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse company level General and Administrative (G&A) overhead rates.	(533)						(97)
-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(3,827)						(524)
1100-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(7,700)						(1,155)
1100-	-	Productivity Commitment	F1		Productivity Commitment identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(62,394)						(26,520)
2200-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(800)						(120)

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: T										
2200- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(8,053)			(1,269)		
2300- -	G&A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(600)					
2300- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Team (PIT) in order to fund designated critical unfunded items.	(4,125)			(727)		
2320- -	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(600)			(93)		
2320- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(3,697)			(626)		
4110-0-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(767)			(119)		
4110-0-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(5,945)			(712)		
7100- -	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse level General and Administrative (G&A) overhead rates.	(1,000)					
7100- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(6,911)			(965)		
7250-0-AL	Productivity Commitment/G&A Rate Reduction	F1		A productivity commitment of 10% was identified by the WHC Program Integration Team in order to fund key activities. G&A rate reduction reflects anticipated reductions in the company-level overhead rates.	(747)			(109)		
7330- -	G&A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(200)			(30)		
7330- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(926)			(135)		
7340- -	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(400)			(60)		
7340- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated	(2,807)			(338)		

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ad#	Act	Sub	Workscope Desc	Priority		Justification	(\$,000)				
				RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T											
7360-	-		Productivity Commitment	F1		critical unfunded items. Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(300)			(42)	
8400-	-		Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(4,463)			(688)	
							=====			=====	
Sub Total for Case T							1,095,227				169,499
							=====				=====
Sub Total for Case D&T							1,095,227				1,160,920
Case: P											
2200-0-			Phase II Retrieval	A1	2	Provides the second phase of TRU retrieval from the low level waste burial ground specifically addressing the RINM identified in the Spent Fuel Vulnerability Study. In addition, apprx. 400 kg's of Plutonium are removed from the burial grounds via this retrieval effort. Funding specifically in 1996 is provided to prepare the FDC document, and initiate efforts of the CDR and Safety Analysis.				2,476	
2200-0-			Waste Characterization	A1	2	Insignificant add'l funding in the planning case to identify any change in workscope.	574			7	
2200-2-			Waste Retrieval Facility (W-113)	A1	2	Separate NDE/NDA building will be constructed. Quantity of NDE/NDA equipment will increase. Box assay equipment will be procured. Change room facility size will be increased.				4,000	
2200-0-			Caisson Retrieval (W-156)	A2	2	Remote handled transuranic (RH-TRU) containers in Alpha Caissons present a safety and environmental issue upon retrieval. This activity provides for retrieval of these RH-TRU containers currently located in the burial grounds. Treatment of these containers is currently planned at the WRAP 2B facility addressed by TPA milestone M-33-00. Funding specifically is provided for review/upgrade of the existing engineering study based upon improvements to remote handling equipment technology. This study is preparatory to the FDC.				127	
2200-0-			Minimum Case Solid Waste Operations	A2	2	Provide personnel training enhancements and provide add'l	1,050			2,507	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: P										
					Capital Equipment funding for vehicles, equipment, and materials to support facility operations, and replace aging equipment. Add'l storage would be available via "Sprung Structure" type procurement.					
2200-0-		Program Planning and Estimating	A2	3	Provides increased support for cost estimating and budget validation. Procures storage casks for high activity waste. Privatization of Thermal Treatment is assumed to be successful with waste treatment occurring in FY96.	4,435			3,427	
2250-0-		Special Waste Cask Storage	A2	2	Perform design and construction of a waste storage unit to provide interim dry storage for special case waste required to resolve safety issues and support Laboratory Analysis for Tank Farm Waste.				3,569	
2320-0-		a-WDS Safety Assurance	A2	2	Perform asbestos abatement in the T Plant office building in FY 1995. Accelerate correction of more than 140 Waste Remediation Commitment Tracking and 70 QUEST items. Increase staffing to support training and operational safety.	2,596			2,450	
2320-0-		b-T Plant Maintenance and Assessments	A2	2	Accelerate reduction of more than 350 maintenance backlog items. Budget for projected increases in plant assessments: steam, electricity, water, laundry, and electric maintenance.	1,476			3,725	
2320-0-		c-T Plant Maintenance and Assessments (Waste Disposal and Compliance)	A2	2	Budget for projected increases in waste volume and in waste disposal rates.	1,372			647	
2320-0-		d-Liquid Waste Transfers	A2	1	Allow for the possible increase in rail and track fees, which is dependent upon WDS pro rate share of the site rail costs.	152			173	
2320-0-		e-Decontamination/Repair Services	A2	2	Accelerate cleanout of the T Plant canyon and decontaminate/treat more items for the site.	2,115			2,256	
2320-0-		f-Applied Technology and Equipment	A2	5	In addition to the equipment identified in the target case, the following equipment will be procured in support of decontamination activities: 1)FY95: remote handling equipment, CO2 blaster, and more chemical decontamination systems and secondary waste treatment equipment. 2)FY96: laser cutter, an ultra high pressure water system and more containment systems and hazardous storage units. The laser cutter which costs apprx. \$1,000k is needed to support Tank Farms TPA milestone M-45 in the treatment of its LLCE--air lances, pumps, and contaminated equipment.	5,500			5,500	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: P											
2320-0-		g-Process Planning (Project W-372, Long Length Waste Item Transfer Port Addition)	A2	2	Fully fund project by adding back 10% productivity commitment.		70			44	
2320-0-		j-T Plant Maintenance and Assessments (Spent Nuclear Fuel Removal/Storage)	A2	1	The O'Leary commissioned "DOE Spent Nuclear Fuel Working Group Report" classified the Shippingport Pressurized Water Reactor Core II spent nuclear fuel, stored in a modified T Plant cell as a "Reactor Irradiated Nuclear Materials" vulnerability concern. Funding is needed to support the plan development, safety documentation, procedure development, and readiness review, for the removal and storage of the fuel. This includes procurement of storage casks to remove 72 spent nuclear fuel elements from the T Plant canyon to a storage destination to be determined.		1,000			4,850	
4110-0-		Applied Technology	A2		Results in limited assessments of available technologies and impacts independent evaluation of dry storage of M Reactor fuels.		2,100				
4110-0-		Engineering and Systems Integration	A2		Establish technical baselines, produce systems, processes, and analyses which enable construction of facilities and physical remediation of spent nuclear fuels and their current facilities for the Hanford site. Would not be able to complete the characterization activities to support the schedule for removal of fuel and sludge from the K basins. This impacts TPA milestone M-33 which requires an agreed upon plan by 1996 for the removal of fuel by 2002. There would also be a delay of engineering necessary to provide consolidated interim storage and disposition of non K basin fuel. The preconceptual engineering studies supporting the FY 1997 Line Item would be delayed resulting in at least a		300			2,100	
4110-0-		Interim Storage Facility Capital	A2		Design and engineering activities for the new interim storage facility. No funding is provided for the interim storage facility which will delay the construction and potentially impact the transfer of fuel from K basins.					6,000	
4110-0-		K Area Roof Repair	A2	2	Provide safe roof for operational facilities.		357				
4110-0-		K Basins Program Administration	A2	2	Failure to fund will jeopardize the ability to administrate the increased workscope at K Basins.		300			300	
4110-0-		PNL Support for Fuel	A2		Support fuel characterization for the M Reactor and other		6,600				

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: P											
		Characterization and EIS			Hanford fuels for the disposition of the fuel. Also included is support for the EIS preparation. Provide support necessary to meet TPA milestones for Characterization, EIS, and disposition of the fuel.						
4110-0-		Regulatory and Public Involvement	A2		Funding is needed to provide for the Public Involvement activities and Regulatory and Safety basins for current and future spent fuel disposition alternatives.	1,300					
4110-0-		Spent Nuclear Fuel Projects	A2		This funding is needed to begin urgent upgrades to K Basin water supply, electrical dist., and fire protection system.	1,500					
4190-0-		Organic Disposal	A2	2	Funds the removal of radioactive flammable liquid from B Plant canyon cells to eliminate both an PSR and fire issues. If not funded, an fire hazard remains in the facility. The Tank Integrity and Part B Permit tasks would also include scope for the tanks and cells that currently store the organics. Would not meet TPA milestone M-20-21.	2,100			400		
4195-0-		Cesium Capsule Recovery Program Support	A2	6	Provides for cask lease for accelerated capsule return from IOTECH, on-site cask documentation, and WESF encapsulation. If not funded, capsule return from IOTECH will not be completed in FY 95, delaying the return by 5-6 months, resulting in anticipated litigation costs. Re-encapsulation process at WESF and on-site cask development will not be initiated in FY 95.	3,558			358		
7100-0-		a-222-S Facility Operations (unfunded)	A2	1	Full support to implement TIMS, Conduct of Operations, Engineering Document Control, and Janitorial support will not be achieved.	5,000			5,000		
7100-0-		a-222-S Facility Operations (unfunded)	A2	1	The 222-S LIMS maintenance and operations, EPA Performance Evaluations, and Standards Support to become part of ready-to-serve will not be fully supported. The Programs will continue to pay for these items through the analysis charges.	1,329			2,759		
7100-0-		c-325 Facility Operations (unfunded)	A2	1	Provides the ACL full ready to serve capability. ACL was to be phased in over FY 94, 95, and 96. This level allows ACL II to be fully funded at ready-to-serve level. The programs will continue to pay through analysis charges.	598			1,713		
7100-0-		d-WSCF Operations (unfunded)	A2	1	WSCF will not be adequately funded to maintain the LIMS system. Also, failure to fund add'l unforeseen punch list items could impact both capacity and capability at WSCF.	1,004			1,001		

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)			
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I	
Case: P												
7100-0-		e-Facility CENRTC (unfunded)	A2	1	Capital equipment required to replace existing and obsolete equipment to support the ready to serve configuration.	2,500			4,200			
7100-0-		f-Program Integration (unfunded)	A2	3	Will not have full support to Methods Rev. & Coordination, administrative procedures, sample data and lab admin. IRM support to transfer data to LABCORE, cost/scheduling activities, and consultants.	665			1,251			
7100-0-		g-Auxiliary Labs (unfunded)	A2	1	Delays full ready to serve funding for 1706KE and 2703E laboratory maintenance activities.	245			253			
7100-0-		h-Field Analytical Services (unfunded)	A2	1	Delays the ready to serve base funding of FAS. This activity will continue to be funded by the Programs.	2,348			2,304			
7100-0-		k-222-S Laboratory/Facility Upgrades (unfunded)	A2	1	Lack of funds would result in delays in completion of 2 to 4 of the planned room renovations and will impact the ability to support the ready to serve level for projected sample analysis.	2,445			2,312			
7360- -		Coal	A2		Needed to power 200/300 Area Steam Plants.	23						
7360- -		Process Spares	A2		Provide parts for Waste Operation Facilities to assure operation safety and efficiency. Additional spares are used for planned new projects, new equipment, and plant upgrades.	100			982			
2200-0-		Solid Waste Permitting and Closures	B1	6	Provides updated NEPA documentation for ongoing activities in the Solid Waste low level burial ground.	2,478			2,407			
2200-0-		WRAP 2B (W-255)	B1	2	This facility provides a large hot cell to process RH-TRU and boxed TRU waste that is physically too large to be processed through WRAP 1. This facility is currently addressed by TPA milestone M-33-00. Funding specifically in 1996 is provided to prepare the FDC document and initiate efforts on the CDR and Safety Analysis.				1,171			
2220-1-		WRAP 1 (W-026)	B1	2	Add'l funding provides for staffing increases to start up the TRU line.				6,331			
2230-1-		WRAP 2A (W-100)	B1	3	This project will provide the processing necessary to prepare and certify Hanford retrievably stored and newly generated solid mixed low level wastes (MLLW) for final disposal. Funding at this level would result in no delay to the TPA milestone M-19-00 schedule.	5,573			22,005			
2250-0-		Burial Ground Closure (W-329)	B1	6	This activity supports the requirements of the Burial Ground Part B Permits. This activity allows for relocation of infrastructure (e.g., Roads, rails, utilities) that will be				1,046			

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: P											
2250-0-		Phase VI Storage (W-318)	B1	2	impacted by the burial ground closure activities of ADS 2200-0-AE. Funding specifically in 1996 is provided to prepare the FDC document, and initiate efforts on the CDR and Safety Analysis. Solid Waste Protection Model predict a shortfall in RCRA compliant storage by the year 2002. This facility is a continuation of the phased storage construction approach currently managed by Solid Waste. The incremental increase in storage is based upon projects provided by the SWPM. Funding, specifically in FY96, is provided to prepare the FDC document, and initiate efforts on the CDR and Safety Analysis.					352	
2250-0-		TRUSAF Extension/Expansion (W-319)	B1	4	Continued/expanded compliant storage of TRU waste at the existing TRUSAF facility. Delays in WIPP opening requires extended facility life. Facility required for high gram TRU drums. Funding specifically in FY 96 is provided to prepare the FDC document, and initiate efforts on the CDR and Safety Analysis.					1,583	
2250-0-		Thermal Treatment (W-242)	B1	4	Provides for the design and construction of a facility to thermally treat contact handled low level mixed waste requiring thermal treatment mostly due to the presence of hazardous constituents in the waste form. The need for the activity is predicated on the availability of private entities to provide thermal treatment. If the Thermal Treatment RFP from ADS #2200-0-BA does not come to fruition, then the construction of this facility will be mandated by RCRA and TSCA requirements against indefinite storage of waste forms. Funding specifically in FY96 is provided to prepare the FDC document and initiate efforts on the CDR and Safety Analysis.					2,394	
2320-0-		I-Decontamination Process Planning (Includes planning for T Plant replacement facility, if required)	B1	4	Supports planning activities required by TPA milestone M-33, to upgrade an existing facility (T Plant or another), modify an existing project (WRAP-B, etc.) or permit and design an entirely new facility. Funding is needed for all treatment process planning regardless of the facility selected, and for all pre-construction costs for a T-Plant replacement facility project (if required).	3,500				3,500	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: P											
2320-2-		h-Project W-259, T Plant Secondary Containment and Leak Detection	B1	2	Fully fund line item by adding back 10% productivity commitment.		30				80
4110-0-		MKII Repackaging	B1	2	Failure to repackage MKII canisters in K West Basin will result in increasing contamination levels in the basin water. Failure to repackage will directly impact TPA milestone M-34-00.		300				300
4110-0-		RCRA Closure/1706KE Waste Treatment System	B1	2	Ensure compliance with RCRA requirements.		106				95
4190-0-		B Plant Environmental Compliance	B1	2	Funds ongoing management of the liquid and gaseous effluent systems, NESHAPs, Part B Permit, and Tank Integrity Assessments. If not funded, B Plant would be in non-compliance with RCRA, WAC, CAA, and Tri-Party milestones M-20-21 (Part B Permit) and M-32-07 (Tank Integrity Assessment). Also, required capital funding will not be provided.		1,220				300
7100-0-		i-Project Support under Directive	B1		Expense support to projects authorized under directive.		279				
7100-0-		j-LIMS development/implementation (unfunded)	B1	1	Limited funds may result in impacts to LIMS/LABCORE upgrades requiring extensive configuration or development effort.		240				563
7100-0-		l-325 Facility Upgrades (unfunded)	B1	1	Continues renovation of analytical laboratories to achieve capability and capacity required for Hanford mission.						300
7100-0-		m-222-S Productivity/Process Improvements (unfunded)	B1	1	Limited funds would impact ongoing improvements (i.e., slic enhancements, organic chemical methods development, 222-S technology development) in addition to delaying implementation of new process improvements (inorganic chemical methods development and manipulator study).		947				411
7100-0-		n-GPP/Small Projects (unfunded)	B1	1	Funds small projects that have been routinely identified each year.		300				1,000
7110-0-		Expense support to Projects (unfunded)	B1	3	Engineering studies, FDCs, CDRs, and conceptual planning for the FY 1997 thru FY 2000 candidate projects.		2,100				997
7250-0-AE		HMP	B1	3	HMP "Program Integration" roll up of program crosscut data to analyze from a site perspective common issues impeding progress, conflicts between programs and omission. Issue management team to clarify, assign, and track site wide issues to assure ownership and timely resolution. Build a planning database system linking HMP analysis with SE and FYP. The Planning database system will allow decision making (including stakeholders) to review alternatives, run		2,077				2,180

4/18/94

12:15 pm

Table: EM-30.db

Report #5

Sub

Ads# Act

Workscope Desc

Priority

RL Grably

Justification

(\$,000)

FY 95

FY95P FY95I

(\$,000)

FY 96

FY96P FY96I

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-30 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

Page 104

Case: P

comparisons, and see the site picture associated with alternatives.

Case	Ads#	Act	Workscope Desc	Priority	RL	Grably	Justification	(\$,000)	(\$,000)				
								FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
7330-	-		NRDA Coordination	B1	2		Provide management support to Hanford site NRDA activities, including coordination of HRA-EIS and NRDA activities, Natural Resource Injury Assessment, and Baseline Ecosystem Vegetation Mapping.	217			222		
7330-	-		Site-wide NEPA EIS	B1	2		Supports initiation of site-wide NEPA EIS				200		
7330-	-		TSD Permit Requirements	B1	2		Supports Captial Equipment vehicle, boat, and computer purchase. Failure to provide adequately tracked RCRA permit compliance requirements, and complete sitewide RCRA permit inspections.				392		
7330-	-		TSD Permit Requirements	B1	2		Supports remaining site-wide activities (i.e., pipeline mapping/markng) required by the Hanford Facility RCRA/Dangerous waste permit.	600			1,519		
7340-0-			NESHAP	B1	2		Upgrade stack monitors				5,000		
7340-0-AC			Groundwater Support activities	B1	2		Administrative support to Geoscience and the GW monitoring activity, 40CFR265/Loss of geohydrological oversight				645		
7340-0-AC			Project Scientist Support	B1	2		Technical support to geoscience monitoring activities/Loss of geohydrological technical expertise				1,027		
7340-0-AC			RCRA Reporting and Data Management	B1	2		RCRA, WAC, and 40CFR265 require data management of GW data/Noncompliance due to lack of records				408		
7340-0-AD			Groundwater Well Maintenance/Decommissioning	B1	2		Well must be maintained for groundwater monitoring, 40CFR265/Without wells, GW monitoring does not function				997		
7340-0-BA			Compliance and Technical Management	B1	2		Reporting and compliance with air emissions/Air Emissions Report not submitted to EPA				140		
7340-1-AG			Groundwater Well Drilling Support	B1	2		Technical support to GW well planning/Noncompliance with TPA	347			560		
7340-1-AG			W-152 RCRA and Operational Well Drilling	B1	2		Technical support to GW Well Planning/Noncompliance with TPA	12,500			10,000		
8400-0-CB			Hanford Ecological Compliance Assessment	B1	2		Regulatory requirements for protection of endangered wildlife, habitat, and vegetation during operation of the Hanford Site. If not funded, fines and work stoppages may result.	554			561		
8400-0-LA			NEPA compliance program	B1	2		Regulatory requirement to assess environmental compliance of PNL programs. If not funded, would eliminate review of bench-scale research activities for NEPA compliance, preparation of generic CXs, and conducting appraisals of PNL centers for	116			143		

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: P											
8400-0-VA		Interim Storage of HBEP Irradiated Fuel	B1	4	NEPA compliance verification. Contractual requirement to remove nuclear fuel. If not funded, DOE irradiated fuel will not be removed from commercial reactor in a high density population area to a DOE site.					76	
2320-0-		k-Railcar Disposition	B2	2	Develop work plan and begin disposal of an unused wooden flat car and two LWTCs in FY95 instead of in FY98 (after they are replaced by new LWTCs).	500				1,500	
2320-1-		i-Project C-077, T Plant Ventilation Upgrade	B2	2	Fully fund line item by adding back 10% Productivity Commitment.					60	
4110-0-		K Area Security Upgrades	B2	2	Ensure compliance with DOE security requirements for SNM.					1,200	
4110-0-		K Basins Environmental Compliance modifications	B2	2	Upgrades to provide compliance with environmental monitoring requirements.	389				265	
4110-0-		KE/KW Systems Upgrades	B2							45	
7360-	-	Essential Materials	B2		Includes container/drums to store waste.	10				(6)	
8400-0-ZA		300 Area RH-MW Treatment System	B2	4	Initiates treatment/disposal of RH-RMW for 324 B Cell. If not funded, increases regulatory risks and long-term safety risks.	538				1,511	
2320-0-		m-IRU Operation	C1	5	The Inspection Repackaging Unit (IRU) is necessary for the sampling, assaying, and repackaging of solid waste containers to meet WAC 173-303 requirement. The unit is designed to be capable of being moved between work sites as needed.	600				800	
4110-0-		K Basins Mechanical System Corrective Actions	C1	2	Failure to fund this will result in continued infrastructure and equipment conditions that do not meet DOE Order 6413.1A, Division 15, General Design Criteria-Mechanical.	2,000				2,000	
7360-	-	Radio equipment	C1		Radio equipment including cellular phones.	1					
7360-	-	Telecommunication	C1		Parts for faxes, computers, radios, and telephone equipment.	33				33	
2320-0-		n-Legacy Waste Cleanup	C2	2	Stabilize or dispose of legacy waste in and around the T Plant facilities. Presents potential exposure and industrial safety concerns.	1,250				1,584	
2320-0-		o-T Plant Head End Cleanup	C2	2	Dispose of chemicals and obsolete process equipment which pose an industrial safety concern. (OSHA, ALARA)	500				1,500	
2200-0-		Fire Safety Implementation	D1	2	Ability to perform Fire Hazard Analysis for Solid Waste facilities required by DOE Order 5480.7A and pollution prevention opportunities as directed by Executive order 12856.	500				511	

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: P										
2200-0-		Pollution Prevention	D1	2	Ability to perform Fire Hazard Analysis for Solid Waste facilities required by DOE Order 5480.7A and pollution prevention opportunities as directed by Executive order 12856.					528
2250-0-		ADV LLW Disposal Facility (W-174)	D1	2	Current disposal practices are expected to be adequated for Category I LLW based on initial performance assessment analysis. However, current disposal practices for Category III LLW requires greater confinement on a case-by-case basis. This activity provides for new LLW-Category III permanent disposal facility that uses lined trenches in which any size or shape object can be placed and then surrounded with grout. The surrounding grout matrix limits the mobility of radionuclides and gives structural stability which prevents future settlement. The trench lining reduces water and oxygen movement creating an anerobic environment within the disposal facility. A cap to prevent water root intrusion is also					127
2250-0-		LLW Handling Facility (W-247)	D1	2	Provides for the established facilities and equipment for volume reduction and reclamation of solid LLW for the entire Hanford Site. The specific activities to be performed in the facility are NDA/NDE, Physical and Assay Sorting, Decontamination Recycling, and Supercompacting. Funding specifically in FY96 is provided for engineering study of the feasibility, design alternatives, and cost benefit of this activity.					254
2320-0-		p-Pollution Prevention and Waste Minimization	D1	6	Implement pollution prevention and waste minimization opportunities as directed by Executive Order 12856.					478
2300-0-		300 Area TEDF - Office Facility	D2	2	Provides for upfront engineering/procurement for office space in the 300 Area TEDF. No office space is associated in the treatment building. Current staff will be housed in leased trailers. Impacts: After 2 years, leased trailers will be removed and engineering, maintenance, and support staff will require alternate housing. Delay in support will hinder operations, increasing plant downtime, and not support Cost and Managment Efficiency Initiative in TPA.	342				2,045
7250-0-AA		a-Risk Assessment	D2	3	With this increment to the target level funding, the public health baseline risk assessment will be completed in FY 1995.	589				

4/18/94

12:15 pm

Table: EM-30.db

Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 107

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: P										
7250-0-AA	b-Risk Assessment	D2	3	With this increment, the worker health baseline risk assessment will be completed. If not funded in FY 1995, the increment in FY 1996, over the target level, will be required to complete the assessment.	1,800			678		
7250-0-AA	c-Risk Assessment	D2	3	With this increment, the assessment of public health risks that will exist at the end of cleanup, consistent with the current Tri-Party Agreement, will be initiated. If not funded in FY 1995, the increment in FY 1996 will be needed to complete the assessment.	896			3,529		
7332- -	Pollution Prevention	D2	2	Supports pollution prevention site-wide implementation and continuation of hazardous materials reduction activities.	710			727		
2300-0-	200 Area Systems Engineering Treatability Testing	E1	5	Contingent funding for add'l treatability testing in support of the 200 Area ETF operation enhancements.	554			1,080		
7360- -	General Supplies/Computers	E1		Includes office furniture, computers, and software. Also essential items for fire protection and medical supplies.	10					
7360- -	Process Spares Administration	E1		Administration, planning, reporting, and training for Process Spares, telecommunications, and essential materials. Includes reorders, shelf criteria, assist in annual physical inventories, and perform spares annual review.	19			14		
7360- -	Reserve Allowance for Loss	E1		Set aside reserve for inventory losses from damaged, disposal, excess, shrinkage, or deterioration.	411			202		
7360- -	Warehouse	E1		Occupancy of 2101M and 275EA	1			(22)		
7360- -	Warehouse Administration	E1		Warehousing receiving and transportation of inventories of area warehouse.	(15)			118		
4190-0-	B Plant Cleanout and Stabilization (CSP)	F1	4	Implements the Cleanout and Stabilization Plan, which is required to cleanout/stabilize B Plant, reducing the classification of the facility to a low-hazard facility. If not funded, B plant would be unable to transition to standby. The existing source term would remain in the present condition resulting in continued higher hazard classifications of B Plant. Funding requirements for the operations and maintenance of the facility would remain high due to the inability to transition to more economical consolidated systems.	4,034			6,323		
4190-0-	WESF Separation Study	F1	4	Funds the engineering study to define the project scope to separate B Plant and WESF. If not funded, the project to	200			474		

4/18/94
 12:15 pm
 Table: EM-30.db
 Report #5

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-30 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: P										
8400-0-JA		Clean-up of PNL Labs in 242B/BL and 2718E bldg	F1	4	make WESF a stand alone facility and permit total B Plant shutdown could not be achieved. Provides legacy facility cleanout. If not funded, creates long term ES&H risks and non-compliance with DOE Orders; continued costs for S&M of lab spaces to maintain safe conditions.	273			839	
8400-0-UA		SMS Implementation	F1	3	Implements Hanford Site Management System. If not funded, PNL will be out of compliance with RL policy directive RLIP 5000.5 and Site Management Plan.	707			712	
						=====			=====	
Sub Total for Case P						105,048			164,705	
						=====			=====	
Sub Total for Case P						105,048			164,705	
						=====			=====	
Grand Total						1,200,275			1,325,625	

VI. - EM-40 Priority List

Report #6

Table: EM-40.db

Title: EM-40 Activities By Case by RL Priority

Summary Explanation of Report:

This report lists the Environmental Management (EM-40) cut of the integrated priority list. This information is packaged as follows:

- * First summary level is the Decrement Case sorted by RL priority. In other words, the decrement case is listed with all A1 priority workscope first and all F1 priority workscope last.
- * Second summary level lists the incremental dollars required to build to the Target level of funding (these dollars are additive to what is in the Decrement Case); this is also listed in order of RL priority.
- * Third summary level lists the additional incremental dollars required to build to the Planning Case (i.e. decrement case plus target case increments plus planning case increments equal total Planning Case); this data is listed in order of RL priority.

Also provided on this report under the column heading "Productivity/Add'l Target" are double asterisks (**) to indicate which scope would be eliminated if the additional HQ target of \$131M is not provided in FY 1996. This data will be revisited in the May timeframe.

The single asterisk (*) indicates which workscope was included as a result of the integrated application of the Productivity Commitment.

This is not necessarily the same scope that would be deleted if the productivity commitment were not achieved for any reason.

Report #
Title: EM-40 Activities By Case By RL Priority

Summary Evaluation of Report:

This report lists the Environmental Management (EM-40) cut of the identified priority list. This information is packaged as follows:

- * First summary level: The Environment Case sorted by RL priority. In other words, the data is sorted by priority workspace first and all RL priority workspace second.
- * Second summary level: Lists the incremental dollars required to build to the target level of funding (these dollars are additive to what is in the Environment Case). This is also listed in order of RL priority.
- * Third summary level: Lists the additional incremental dollars required to build to the Planning Case (i.e. Environment Case plus target case increments plus planning case increments equal total Planning Case). This data is listed in order of RL priority.

Also provided on this report under the column heading "Productivity/MO" Target are double asterisks (**) to indicate which cases would be impacted if the additional MO target of \$13M is not provided in FY 1990. This data will be revisited in the May timeframe.

The single asterisks (*) indicates which workspace was included in a report on the related application of the Productivity Treatment.

This is not necessarily the same scope that would be delayed if the productivity commitment was not achieved for six months.

THIS PAGE INTENTIONALLY LEFT BLANK

4/15/94
 12:44 pm
 Table: EM-40.db
 Report: #6

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-40 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)				
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: D										
3010-	-	RARA - Decon. Stabilization	A2	1	Stabilize waste sites in order to prevent migration of radionuclide contamination (ALARA). Project completion planned FY 1997.				3,031	
3010-	-	RARA S&M w/Herb application	A2	1	Control deep-rooted weed growth (i.e., sagebrush) and other unwanted vegetation (i.e., tumbleweeds) to prevent surface soil contamination.				4,396	
3500-	-	Asbestos Abatement	A2	1	Provide safe work environment by eliminating ACM exposure. Completion of all know high-priority sites (A/B) planned FY 1998 per NESHAP.				3,203	
3510-	-	100 Area Common Act--Assessment	A2	1	Conduct S&M and Risk Assessment/Corrective Maintenance per DOE Order 5820.2A. Completion of all know high risk sites planned FY 1997.				6,566	
3520-	-	232-Z/233-S Decon	A2	2	Remove contaminated equipment and Plutonium inventories. Facilities show extreme deterioration.				1,825	
3520-	-	D&D S&M - 200 Areas	A2	1	Conduct S&M until final decommission of 200 Area facilities ensuring worker safety and health per DOE 5820.2A.				3,920	
3600-	-	M Reactor	A2	1					28,854	
3100-	-	100-DR-1 Remediation	B1	1	Receive IROD 3/94 M-16				3,308	
3100-	-	100-DR-2 Assessment	B1	1	Issue proposed plan to regulators 9/95 (proposed TPA)				97	
3105-	-	100-BC-1 Remediation	B1	1	Receive IROD from regulators 5/95 M-16				9,235	
3105-	-	100-BC-2 Assessment	B1	1	Issue proposed plan to regulators 5/95 (proposed TPA)				71	
3105-	-	100-BC-2 Remediation	B1	1	Receive IROD from regulators 12/95 M-16				935	
3105-	-	100-BC-5 Remediation	B1	1					250	
3110-	-	100-KR-4 Remediation	B1	1					229	
3115-	-	100-FR-3 Remediation	B1	1					229	
3120-	-	100 NPL Common Activities	B1	1	Support all M-15 and M-16 TPA milestones				3,123	
3120-	-	100-HR-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.				3,320	
3120-	-	100-HR-2 Remediation	B1	1					248	
3120-	-	100-HR-3 Remediation	B1	1					3,116	
3125-	-	100-NR-1 Assessment	B1	1	Issue proposed plan to regulators 5/96 M-16-01M (proposed TPA)				113	
3125-	-	M Springs (100-NR-2)	B1	1	Initiate preferred alternative M-16				1,275	
3200-	-	200-BP-5 Assessment	B1	1	Begin pilot-scale pump and treat operations 30 days after				190	

4/15/94
 12:44 pm
 Table: EM-40.db
 Report: #6

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-40 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: D										
					approval of the treatability test plan, but no sooner than 8/31/94. Continue operation/expanding systems (if successful) during treatability to optimize the cleanup activities.					
3200-	-	200-BP-5 Remediation	B1	1	Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase. Complete remediation of all past-practice sites by 2018.					5,639
3230-	-	200-UP-1 Assessment	B1	1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 3/31/94. Continue operating/expanding systems (if successful) during treatability to optimize the cleanup activities.					1,206
3230-	-	200-UP-1 Remediation	B1	1	Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase.					1,589
3230-	-	200-UP-1 Treatability	B1	1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 3/31/94. Continue operating/expanding systems (if successful) during treatability to optimize the cleanup activities.					2,070
3235-	-	200-ZP-1 Remediation	B1	1	Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase. Complete remediation of all past-practice sites by 2018.					6,014
3235-	-	200-ZP-2 Remediation	B1	1	Action memorandum issued by regulators in 1/92 requires extraction of carbon tetrachloride from 200-ZP-2. Complete remediation of all past-practice sites by 2018.					4,770
3300-	-	300-FF-1 Remediation	B1	1	Upon finalization of the FS Phase 3 report, a draft proposed plan will be issued to the regulators by 12/31/94, outlining the preferred remedial alternative for the OU. Then, an ROD, based on review of the proposed plan, is anticipated to be received six months after issuance of the draft proposed plan (6/30/95). Physical remediation of the OU is to begin no later than 15 months after receipt of the ROD. Requires remediation of all past-practice sites by 2018.					3,955
3300-	-	300-FF-5 Remediation	B1	1	Upon finalization of the combined RI Phase 2 and FS Phase 3 report, a draft proposed plan will be issued to the regulators by 5/30/95, outlining the preferred remedial					156

4/15/94

12:44 pm

Table: EM-40.db

Report: #6

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-40 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: D										
					alternative for the OU. Then, an ROD, based on review of the proposed plan, is anticipated to be received six months after issuance of the draft proposed plan (10/30/95). Physical remediation of the OU is to begin no later than 15 months after receipt of the ROD. Requires remediation of all past practice sites by 2018.					
3400-	-	Barrier Development	B1	5	Funds the testing and monitoring of an earthen barrier to isolate buried wastes from the environment. Non funding will result in the inability to complete the full testing of the barrier prototype as well as the cessation of various studies and consultations critical to the verification of the Hanford Barrier prototype as an adequate one for closure of buried waste sites by FY 1998.					1,000
3400-	-	Barrier Development	B1	5	Funds the testing and monitoring of an earthen barrier to isolate buried wastes from the environment. Non funding will result in the inability to complete the full testing of the barrier prototype as well as the cessation of various studies and consultations critical to the verification of the Hanford Barrier prototype as an adequate one for closure of buried waste sites by FY 1998.					1,280
3400-	-	Columbia River Studies	B1	1	A direct result of the TPA in Principle, Amendment 2, and will develop a compendium of data on the Columbia Reiver's contaminants from Hanford operations. Non funding would result in breach of the TPA in Principle.					1,000
3400-	-	ER Program Management ST/RL	B1	3	Program Management, RL, and USACE office are partially funded, supporting TPA milestones M-15 and M-35 CERCLA grants, and supports Grumbly's safety and health initiative. Non-funding would eliminate the ER Program Office, which would result in inadequate oversight and eliminate funding for Grumbly's safety and health initiative.					32,305
3400-	-	FAC Infrastructure	B1	3	Provides ER administrative infrastructure support that is not directly funded by individuals OUs such as documentation, control manuals, special studies, value engineering, and internal surveillance. Funding cuts would jeopardize overall administrative support for the ER program.					3,934
3400-	-	FAC Infrastructure	B1	3	Provides ER administrative infrastructure support that is not					1,624

4/15/94
 12:44 pm
 Table: EM-40.db
 Report: #6

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-40 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: D										
					directly funded by individuals OUs such as documentation, control manuals, special studies, value engineering, and internal surveillance. Funding cuts would jeopardize overall administrative support for the ER program.					
3400-	-	Facilities-Equipment	B1	4	Provides for expense funded CENRTC to support ER activities which include new EAL instrumentation and HP equipment. Funding cuts would jeopardize environmental analytical capabilities to support ER activities.					628
3400-	-	HRA - EIS	B1	1	Funds the initiation of NEPA documentation of former Hanford operating facilities (PUREX, B Plant, N Reactor, etc.) as they are transitioned into the ER Program for D&D. Non-funding would result in the delay of obtaining full NEPA coverage for major D&D activities and place DOE in non-compliance with NEPA.					1,001
3400-	-	HRA-EIS	B1	3	Assesses the cumulative impacts of the Hanford ER program and provides for future land use scenarios based on the range of remedial actions which will take place on the Hanford Site. Non-funding of the HRA-EIS will place DOE in non-compliance with NEPA.					1,500
3400-	-	Lab Upgrades	B1	4	Provides for administration of Hanford Analytical Services and development of a chemistry course program at WSU-Tricities. Funding cuts would jeopardize commercial analytical services at Hanford and training to support the analytical chemistry needs at the Hanford Site.					482
3400-	-	Program Management (QA)	B1	2	Provides for the QA self-assessment supporting DOE Implementation Plan for DNFSB Recommendation 90-2. Budget restrictions will result in degradation of implementation of the ER QA program and potential reduction in the margin of overall safe operation and management of the WHC ER program.					2,672
3700-	-	Disposal Facility	B1	1	Required to meet TPA milestone M-70-00, to provide an operational ERDF on 9/30/96.					4,524 *
3700-	-	Disposal Facility	B1	1	Required to meet TPA milestone M-70-00, to provide an operational ERDF on 9/30/96.					25,243
3800-	-	S&M Post Remedial Actions	B1	1	Following remediation, periodic groundwater monitoring assures continued safety to the public and environment.					230
3400-	-	Program Management (Tech)	B2	2	The technology support activities seek out and adapt					471

4/15/94
 12:44 pm
 Table: EM-40.cb
 Report: #6

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-40 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: D										
					technologies in the private and public section which can enhance and improve the efficiency of the ER program. Non-funding will result in the use of only current available technologies to remediate the Hanford Site.					
3510-	-	100 Area D&D - Remediation	B2	4	Accelerate D&D of 100 Area surplus facilities in accordance with AIP.					6,770
3510-	-	D&D Facilities (Reactor Engr.)	B2	4	Provide minimal engineering support to Reactor Block Removal project (105-C).					265
					Sub Total for Case D		0			187,862
Case: T										
3010-	-	RARA - Decon. Stabilization	A2	1	Stabilize waste sites in order to prevent migration of radionuclide contamination (ALARA). Project completion planned FY 1997.		2,962			
3010-	-	RARA S&M w/Herb application	A2	1	Control deep-rooted weed growth (i.e., sagebrush) and other unwanted vegetation (i.e., tumbleweeds) to prevent surface soil contamination.		4,342			
3010-	-	USTs	A2	1	Complete "orphan" tank remediation per WAC 173-303. No funding identified after FY 1995.		498			
3500-	-	Asbestos Abatement	A2	1	Provide safe work environment by eliminating ACM exposure. Completion of all know high-priority sites (A/B) planned FY 1998 per NESHAP.		2,801			
3510-	-	100 Area Common Act--Assessment	A2	1	Conduct S&M and Risk Assessment/Corrective Maintenance per DOE Order 5820.2A. Completion of all know high risk sites planned FY 1997.		9,744			
3520-	-	232-Z/233-S Decon	A2	2	Remove contaminated equipment and Plutonium inventories in two facilities showing advanced stages of deterioration.		3,046			
3520-	-	D&D S&M - 200 Areas	A2	1	Conduct S&M until final decommission of 200 Area facilities ensuring worker safety and health per DOE 5820.2A.		3,832			
3600-	-	N Reactor	A2	1			1,700			
3600-	-	N Reactor	A2	1			25,811			
3020-	-	RCRA Closures	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.					1,940 *

4/15/94
 12:44 pm
 Table: EM-40.db
 Report: #6

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-40 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: T										
3020	-	RCRA Closures	B1	1	Support MOD and RCRA Closure Plan preparation compliant to TPA M-20. If not funded, major TPA milestones will be missed.	2,537	*			
3020	-	Rcra Closures 183-M	B1	1	Support final stabilization of the 183-M Basin in accordance with regulator agreements. If not funded, stabilization will be deferred and penalties will be assessed for violation of environmental laws.	3,909	*		154	
3100	-	100-DR-1 Assessment	B1	1	TPA issue proposed plan to regulators M-15-07D	83				
3100	-	100-DR-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.				2,248	*
3100	-	100-DR-1 Remediation	B1	1	Receive IROD 3/94 M-16	780	*			
3100	-	100-DR-2 Assessment	B1	1	Issue proposed plan to regulators 9/95 (proposed TPA)	376				
3105	-	100-BC-1 Assessment	B1	1	Issue proposed plan to the regulators 11/94 M-15-08D	138				
3105	-	100-BC-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.				13,206	*
3105	-	100-BC-1 Remediation	B1	1	Receive IROD from regulators 5/95 M-16	1,296	*			
3105	-	100-BC-1 Remediation	B1	1	Receive IROD from regulators 5/95 M-16	2,641				
3105	-	100-BC-2 Assessment	B1	1	Issue proposed plant to regulators 5/95 (proposed TPA)	366				
3105	-	100-BC-2 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.				(133)	*
3105	-	100-BC-5 Assessment	B1	1	Issue proposed plant to regulators 10/94 M-15-09D	348				
3110	-	100-KR-1 Assessment	B1	1	Issue proposed plan to regulators 10/94 M-15-10C	221				
3110	-	100-KR-2 Assessment	B1	1	Issue work plan and conduct field investigation M-13, M-15	1,062				
3110	-	100-KR-4 Assessment	B1	1	Issue proposed plan to regulators 10/95 M-15-11D	425				
3115	-	100-FR-1 Assessment	B1	1	Issue proposed plan to regulators 3/95 M-15-13D	235				
3115	-	100-FR-2 Assessment	B1	1	Issue work plan, conduct field activities M13, M15	417				
3115	-	100-FR-3 Assessment	B1	1	issue proposed plan to regulators M-15-13H	1,089				
3120	-	100 MPL Common Activities	B1	1	Support all M-15 and M-16 TPA milestones	9,820				
3120	-	100-HR-1 Assessment	B1	1	Issue proposed plan to regulators 9/94 M-15-05D	166				
3120	-	100-HR-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a				(1,051)	*

4/15/94
 12:44 pm
 Table: EM-40.db
 Report: #6

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-40 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: T										
	3120 -	100-NR-1 Remediation	B1	1	IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the MCP. Per the TPA and the MCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the MCP.	1,468	*			
	3120 -	100-NR-2 Assessment	B1	1	Issue proposed plan to regulators 12/94 M-15 (proposed TPA)	145				
	3120 -	100-NR-2 Remediation	B1	1	Per the TPA and the MCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the MCP.				1,046	*
	3120 -	100-NR-3 Assessment	B1	1	Issue proposed plan to regulator 9/94 M-15-06D	1,434				
	3125 -	100-NR-1 Assessment	B1	1	Issue proposed plan to regulators 5/96 M-16-01M (proposed TPA)	420				
	3125 -	100-NR-2 Assessment	B1	1	Issue proposed plan to regulators 5/96 M-16-01M (proposed TPA)	704				
	3125 -	M Springs (100-NR-2)	B1	1	Initiate preferred alternative M-14	5,187				
	3200 -	200-BP-1 Remediation	B1	1	EPA issues a ROD for 200-BP-1, 5/31/94. DOE will submit a definitive design for the modified RCRA barrier to EPA/Ecology two months after issuance of the ROD, but no sooner than 8/1/94. DOE will submit a remedial action plan to EPA/Ecology four months after the ROD is issued, but no sooner than 10/1/94. DOE will complete the bid and award cycle for the final barrier eight months after the ROD is issued, but no sooner than 2/15/95. DOE will complete remediation activities at 200-BP-1 fifteen months after the ROD is issued, by no sooner than 10/1/95. Complete remediation of all past-practice sites by 2018.	998				
	3200 -	200-BP-5 Assessment	B1	1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 8/31/94. Continue operation/expanding systems (if successful) during treatability to optimize the cleanup activities.	658				
	3200 -	200-BP-5 Treatability	B1	1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than	3,471				

4/15/94
 12:44 pm
 Table: EM-40.db
 Report: #6

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-40 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
					8/31/94. Continue operation/expanding systems (if successful) during treatability to optimize the cleanup activities.					
3230-	-	200-UP-1 Assessment	B1	1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 3/31/94. Continue operating/expanding systems (if successful) during treatability to optimize the cleanup activities.		2,064			
3230-	-	200-UP-1 Treatability	B1	1	Begin pilot-scale pump and treat operations 30 days after approval of the treatability test plan, but no sooner than 3/31/94. Continue operating/expanding systems (if successful) during treatability to optimize the cleanup activities.		2,235			
3230-	-	200-UP-2 Assessment	B1	1	The 200-UP-2 Work Plan, approved 8/93, requires completion of a limited field investigation report by 6/95. A Tri-Party Agreement change request, presently in review, will establish a milestone for this deliverable (M-15-15b).		328			
3235-	-	200-ZP-1 Remediation	B1	1	Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase. Complete remediation of all past-practice sites by 2018.		2,000			
3235-	-	200-ZP-1 Remediation	B1	1	Continue operating/expanding the pump and treat systems to optimize cleanup activities during the remediation phase. Complete remediation of all past-practice sites by 2018.		4,255			
3235-	-	200-ZP-2 Remediation	B1	1	Action memorandum issued by regulators in 1/92 requires extraction of carbon tetrachloride from 200-ZP-2. Complete remediation of all past-practice sites by 2018.		4,819			
3300-	-	300-FF-1 Assessment	B1	1	Submit draft feasibility study (FS) Phase 3 report to EPA and Ecology for review.		642			
3300-	-	300-FF-1 Remediation	B1	1	Upon finalization of the FS Phase 3 report, a draft proposed plan will be issued to the regulators by 12/31/94, outlining the preferred remedial alternative for the OU. Then, an ROD, based on review of the proposed plan, is anticipated to be received six months after issuance of the draft proposed plan (6/30/95). Physical remediation of the OU is to begin no later than 15 months after receipt of the ROD. Requires remediation of all past-practice sites by 2018.		2,789		7,954	

4/15/94
 12:44 pm
 Table: EM-40.db
 Report: #6

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-40 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
			RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I
Case: T									
3300-	-	300-FF-2 Assessment	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.			2,125	*
3300-	-	300-FF-2 Assessment	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.	2,237	*		
3300-	-	300-FF-5 Assessment	B1	1	Submit draft combined RI Phase 2 and FS Phase 3 report to EPA and Ecology for review.	1,019			
3390-	-	1100 Area Remediation	B1	1	Support TPA M-16-00 and the ROD issued by the EPA in 9/93.	7,243			
3400-	-	Barrier Development	B1	5	Funds the testing and monitoring of an earthen barrier to isolate buried wastes from the environment. Non funding will result in the inability to complete the full testing of the barrier prototype as well as the cessation of various studies and consultations critical to the verification of the Hanford Barrier prototype as an adequate one for closure of buried waste sites by FY 1998.	892		919	
3400-	-	Barrier Development	B1	5	Funds the testing and monitoring of an earthen barrier to isolate buried wastes from the environment. Non funding will result in the inability to complete the full testing of the barrier prototype as well as the cessation of various studies and consultations critical to the verification of the Hanford Barrier prototype as an adequate one for closure of buried waste sites by FY 1998.	2,208			
3400-	-	Columbia River Studies	B1	1	A direct result of the TPA in Principle, Amendment 2, and will develop a compendium of data on the Columbia Reiver's contaminants from Hanford operations. Non funding would result in breach of the TPA in Principle.	2,500			
3400-	-	ER Program Management ST/RL	B1	3	Program Management, RL, and USACE office are partially funded, supporting TPA milestones M-15 and M-35 CERCLA grants, and supports Grumbly's safety and health initiative. Non-funding would eliminate the ER Program Office, which would result in inadequate oversight and eliminate funding for Grumbly's safety and health initiative.	31,323			
3400-	-	FAC Infrastructure	B1	3	Provides ER administrative infrastructure support that is not	3,403			

4/15/94
 12:44 pm
 Table: EM-40.db
 Report: #6

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-40 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority RL	Grmbly	Justification	(\$,000)			(\$,000)	
						FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
					directly funded by individuals OUs such as documentation, control manuals, special studies, value engineering, and internal surveillance. Funding cuts would jeopardize overall administrative support for the ER program.					
3400-	-	FAC Infrastructure	B1	3	Provides for ER Hazardous Worker Training, HPT training. Funding cuts would jeopardize worker safety as well as regulatory compliance.	1,709				
3400-	-	Facilities-Equipment	B1	4	Provides for expense funded CENRTC to support ER activities which include new EAL instrumentation and HP equipment. Funding cuts would jeopardize environmental analytical capabilities to support ER activities.	613				
3400-	-	HRA-EIS	B1	3	Assesses the cumulative impacts of the Hanford ER program and provides for future land use scenarios based on the range of remedial actions which will take place on the Hanford Site. Non-funding of the HRA-EIS will place DOE in non-compliance with NEPA.	3,000				
3400-	-	Lab Upgrades	B1	4	Provides for administration of Hanford Analytical Services and development of a chemistry course program at WSU-Tricities. Funding cuts would jeopardize commercial analytical services at Hanford and training to support the analytical chemistry needs at the Hanford Site.	470				
3400-	-	Program Management (QA)	B1	2	Provides for the QA self-assessment supporting DOE Implementation Plan for DNFSB Recommendation 90-2. Budget restrictions will result in degradation of implementation of the ER QA program and potential reduction in the margin of overall safe operation and management of the WMC ER program.	3,445				
3700-	-	Disposal Facility	B1	1	Provide operational ER Disposal Facility (ERDF) on 9/30/96.	2,978	*		7,076	*
3700-	-	Disposal Facility	B1	1	Required to meet TPA milestone M-70-00, to provide an operational ER Disposal Facility (ERDF) on 9/30/96.	5,022	*			
3700-	-	Disposal Facility	B1	1	Required to meet TPA milestone M-70-00, to provide an operational ER Disposal Facility (ERDF) on 9/30/96.	31,725				
3400-	-	Program Management (Tech)	B2	2	The technology support activities seek out and adapt technologies in the private and public section which can enhance and improve the efficiency of the ER program. Non-funding will result in the use of only current available technologies to remediate the Hanford Site.	3,408			6,820	

4/15/94
 12:44 pm
 Table: EM-40.db
 Report: #6

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-40 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)	
			RL	Grnbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I

Case: T									
3510-	-	100 Area D&D - Effluent Pipeline	B2	1	Prepare EE/CA due 9/30/94, per TPA M-16-80.	433		500	
3510-	-	100 Area D&D - Remediation	B2	4	Accelerate D&D of 100 Area surplus (abandoned) facilities in accordance with AIP.	5,970			
3510-	-	D&D Facilities (Reactor Engr.)	B2	4	Initiate remedial design in support of the Reactor Block Removal project (105-C).	5,666			
3510-	-	D&D Facilities (Reactor Engr.)	B2	4	Maintain minimal Engineering support to Reactor Block Removal Project (105-C).			3,265	
3510-	-	D&D Facilities (Reactor Engr.)	B2	4	Maintain minimal Engineering support to Reactor Block Removal Project (105-C).			7,150	
-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.			(22,646)	
-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(20,949)			
						=====		=====	
Sub Total for Case T						208,577		30,573	
						=====		=====	
Sub Total for Case D&T						208,577		218,435	
						=====		=====	
Grand Total						208,577		218,435	

VII. - EM-60 Priority List

Report #7

Table: EM-60.db

Title: EM-60 Activities By Case by RL Priority

Summary Explanation of Report:

This report lists the Facility Transition (EM-60) cut of the integrated priority list. This information is packaged as follows:

- * First summary level is the Decrement Case sorted by RL priority. In other words, the decrement case is listed with all A1 priority workscope first and all F1 priority workscope last.
- * Second summary level lists the incremental dollars required to build to the Target level of funding (these dollars are additive to what is in the Decrement Case); this is also listed in order of RL priority.
- * Third summary level lists the additional incremental dollars required to build to the Planning Case (i.e. decrement case plus target case increments plus planning case increments equal total Planning Case); this data is listed in order of RL priority.

Also provided on this report under the column heading "Productivity/Add'l Target" are double asterisks (**) to indicate which scope would be eliminated if the additional HQ target of \$131M is not provided in FY 1996. This data will be revisited in the May timeframe.

The single asterisk (*) indicates which workscope was included as a result of the integrated application of the Productivity Commitment.

This is not necessarily the same scope that would be deleted if the productivity commitment were not achieved for any reason.

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: D											
6631-0-		Program Direction	A1	3	Required to provide adequate managerial and financial oversight of the DOE contractors.				37,063		
6603-0-		DOE-RL Field Support	A2	3	Human radiation test/declassification effort				4,000		**
6603-0-		DOE-RL Field Support	A2	3	Human radiation test/declassification effort				35,488		
6620-0-		Facility Operations Program and Environmental Management	A2	3	If not funded, Program Management and financial management staff required for current outyear planning, control and reporting would be eliminated. Also eliminates program operations and maintenance improvements support, non-plant specific safeguards and security, and EM-60 off-site representative.				6,020		
6622-0-		PUREX Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.				33,354		
6623-0-		300 Area Fuels Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.				3,926		
6624-0-		PF Plant Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.				65,939		
6624-0-		Pre-Stabilization Safe Standby Activities	A2	2	The PFP is not in a viable condition to be put in a long-term/permanent safe standby mode. Until all nuclear materials are stabilized and vaulted, PFP is required by Nuclear Material Accountability and DOE Order Compliance to safely "care for" all SNM in the plant. If not funded, an unacceptable risk would remain for the plant personnel and the public. As the systems and equipment of the PFP continue to deteriorate and age these needs are exacerbated.				3,372		
6640- -		FFTF Base (minsafe)	A2	2	Safe facility requirements not achieved				29,000		
6640- -		FFTF CENTRC (minsafe)	A2	2	Safe facility requirements not achieved				200		
6640- -		FFTF SAS (minsafe)	A2	2	Safe facility requirements not achieved				2,100		

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: D										
6640- -	FFTF Shutdown Project Office A/B	A2	2	Direction and coordination of shutdown effort not provided.						900
6641- -	308 Bldg O&M	A2	2	Delays 308 bldg closure						600
6660-0-	Program Integration--Landlord Program Management, Project Management, and Project Control	A2	3	Required by the Defense Authorization Act to prepare the FYP document. Contractors are required by RL to prepare an MYPP per RLIP 5000.2, Long Range Planning Process. DOE 4700.1 Proj. Mgmt. Sys. Chapter 3, Part A, Baseline Management, requires preparation of a baseline document, i.e., FYMP. SMS and PTS reporting are required by RL and DOE-HQ. Change control is a requirement of DOE 4700.1. The benefits to the program of performing these planning, control, and reporting activities include being able to develop scope and schedule.						1,892
6660-0-	Program Integration-Site Planning	A2	3	If funding is cut or eliminated, all the tasks associated with maintaining safe land use and infrastructure conditions on the Site would be abandoned. A very high potential for TPA impacts would exist as land use and site selection controls would be abandoned. Life cycle planning for old and deteriorating infrastructure systems would be impossible and no follow through on the Infrastructure Transition Initiative strategies would occur.						1,815
6665-0-	General Purpose Facilities Roof and HVAC replacements	A2	2	Most of Hanford general purpose facilities are over 30 years old. The roofs HVAC equipment of these facilities have long outlived their useful life. Roof leaks have resulted in structural damage causing unsafe conditions. Leaks also impede activities conducted in the facilities including damaging equipment. Failed/inadequate HVAC results in inhabitable facilities and damage to sensitive electronic equipment. The older HVAC systems were never intended to meet today's requirements. 15 small roofs totaling approx. 40,000 sq.ft. will be replaced. Two HVAC systems will also be replaced and surveillance and maintenance conducted on abandoned buildings.						1,574
6670-0-	Capital Equipment - Project identification and scoping	A2	2	The benefits to the program of this activity are the development of schedule and technical scope, coordination of the Capital Equipment Review Board meeting, and monitoring performance to assure completion of workscope and reduction of uncosted/uncommitted balances.						108

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)			
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I	
Case: D												
6670-0-		Capital Equipment - various commitments/priorities	A2	2	A2--Vehicle CAD computer system to improve safe response for firefighters and personnel in emergency situations. Upgrade Monorail System for Water System to original 6-ton as built. B1--TPA M-32-02, item d, Digital Site GIS Base Map Collection; C2--Telecommunications spares for maintenance of system, MEHF/PNL equipment; D1--test equipment to support telecommunications maintenance; E1--replace obsolete shop equipment; F1--CAD Workstations and Engineering Analysis Workstation for support to engineering analysis model development, i.e., support structural analysis, accident scenarios.						5,916	
6680-0-		Proposed Line Items (FY 1997 - 1998)	A2	2	Decrement case only supports one of the four identified FY 1997 line items. Will not support any FY 1998 line items.						81	
6622-0-		PUREX Environmental Compliance	B1	2	Provides for environmental engineering and monitoring, laboratory compliance, Part B permit. If unfunded, PUREX would be in non-compliance with DOE Orders, State, and Federal regulations. PUREX would fail to meet OSR requirements for effluent monitoring and sampling. RCRA closure plan would not be submitted to meet TPA M-20-24.						3,134	
6622-0-		PUREX UO3 Deactivation	B1	4	Finalizing of the facility cleanout plan and initial cleanout activities would be delayed by 2 years. Delay in facility cleanout results in approximately \$35M per year additional cost. Liquid wastes at PUREX do not meet all regulatory requirements for continued storage. Failure to continue rapid progress on the Deactivation project could result in enforcement options taken by the regulatory agencies.						5,310	
6623-0-		300 Area Fuels Environmental Surveillance	B1	2	If unfunded, Federal and State hazardous waste regulations would not be met. Daily oversight and management of the compliance program would not be provided.						74	
6624-0-		PFP Environmental Compliance Activities	B1	2	PFP specific environmental compliance activities including PFP Part B permit, M-20-48, and Tank Interim status would not be completed. Air operating permit and related emissions inventory would not be completed. Failure to support these activities would result in violations of TPA, RCRA, WAC, CAA, and DOE orders. Capital support would not be available to						2,800	

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: D										
6624-0-	PPF NEPA		B1	6	maintain the facility in compliance with regulations. DOE-HQ has directed that documentation be prepared at pfp prior to performing stabilization of reactive materials or cleanout at the plant. If not funded, delays in the development of NEPA documentation will cause the plant to remain in a high hazard standby condition for extended periods and also jeopardize the potential of using it for any future remediation or interim storage missions.					1,981
6640- -	Environmental Protection		B1	2	Facility Wastes not properly dispositioned					1,600
6641- -	308 Bldg. Surveillance		B1	2	Building OSR violations and environmental compliance issues					700
6660-0-	Program Integration NEPA		B1	6	NEPA establishes national environmental policy goals for the protection, maintenance, and enhancement of the environment and provides a process for implementing these goals within the federal agencies. If not funded in FY96, the NEPA documentation for the Hanford Site General Purpose Facility projects cannot be prepared.					162
6694-0-	TPA State Funding - Mixed Waste Fee		B1	3	Required to meet DOE commitments to regulators and stakeholders.					5,039
6641- -	Legacy Occupancy		B2	2	Safe facility requirements not achieved.					300
6641- -	NE legacies		B2	2	Disposition of legacy facilities suspended					1,400
6641- -	TRIGA Fuel disposition		B2	2	Delays 308 bldg closure, TRIGA fuel remains in 308					700
6675-0-	General Plant Projects		B2	2	Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is jeopardized, state and feder laws cannot be met and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are available with sufficient capacity when needed.					5,857
6680-0-	FY 1996 New Starts (200 Area Sanitary Sewer System, Fire Station and Fire/Grnd Training Facility, Buildings Utilit Replace, 300 Area)		B2	2	FY 1996 Line Items will begin definitive design.					4,992
6660-0-	Program Integration--Capital Asset		C2	4	If not funded, the systems and assets will continue to					1,043

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority RL Grmbly	Justification	(\$,000)			(\$,000)		
				FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: D									
	Management Process (CAMP)		deteriorate without a structured program in place to identify and address the potential problems. This increases the likelihood of imminent safety hazards going unnoticed and greatly increases the potential for more accidents and the possibility of another fatality.						
6665-0-	Expense Funded Projects -NEC	C2 2	Electrical system deficiencies have been identified in facilities that, if left as is, could result in personnel injury, property loss, and disruption of mission. Potential injuries from electrical systems has been identified as a highly likely event at Hanford due to the current condition. Not funding this work will delay the correction process resulting in unresolved safety related deficiencies and add'l costs to due escalation.						759
6665-0-	Expense Funded Projects--Demolition	C2 2	Buildings that are no longer useful or which present a danger to personnel due to their condition require demolition. If the buildings remain standing, they must be maintained and routine surveillance conducted. Certain building sites cannot be reused or transferred to others if the demolition is not performed. Not funding this work will delay the demolition of structures in the 300 and 3000 Areas impacting final cleanup of the site, as well as prolonging surveillance and maintenance costs.						1,139
6665-0-	Expense Funded Projects--General Purpose Facilities maintenace and repairs	C2 2	This work is required to correct safety deficiencies and to maintain the habitability of buildings. If not funded, leaking roofs and structural failures cannot be repaired, and failing HVAC systems cannot be replaced, and buildings will not be maintained. General purpose facilities are needed in support of the Hanford Waste Management and Environmental Restoration mission.						1,625
6604-0-	Dose Reconstruction/health Infor network	E1 6	Required to meet DOE commitments to regulators and stakeholders.						2,000
6680-0-	Line Items--Project identification and Scoping	E1 5	Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, a lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is jeopardized, state and						336

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case:	Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
					federal laws cannot be met, and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are available with sufficient capacity when needed.						
	- -	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.						(731)
	- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.						(4,238)
	- -	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative overhead rates.						(1,695)
	- -	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.						(9,096)
4190-	-	Defense Production Funding	F1								(20,000)
6602-	-	Economic Transition	F1								972
6660-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.						(266)
6660-	-	Ongoing Line items	F1		Projects 325 Fac. Compliance/Renovation, 300 Area Process Sewer Piping System Upgrade, and 324 Fac. Compliance/Renovation will be in construction; Project KEH Multi Purpose Facility will be complete; and Project Primary Highway-Route N of Wye Barricade will complete design and start construction.						13,351
6660-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.						(4,032)
6690-0-		Yakima Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.						1,800
6691-0-		Nez Perce Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.						1,400
6692-0-		Umatilla Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.						1,600
6693-0-		Oregon Hanford Oversight	F1	6	Required to meet DOE commitments to regulators and stakeholders.						559

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: D											
6695-0-		Environmental Support	F1	3	Required to meet DOE commitments to regulators and stakeholders.					1,717	
						=====		=====			
Sub Total for Case D							0			255,640	
Case: T											
6631-0-		Program Direction	A1	3	Required to provide adequate managerial and financial oversight of the DOE contractors.		34,891				
6603-0-		DOE-RL Field Support	A2	3	Human radiation test/declassification effort		41,543				
6620-0-		Facility Operations Program and Environmental Management	A2	3	If not funded, Program Management and financial management staff required for current and outyear planning, control, and reporting would be eliminated. Also eliminates program operations and maintenance improvements support, non-plant specific safeguards and security, and EM-60 off-site representative.		5,908				
6622-0-		PUREX Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.		33,104				
6623-0-		300 Area Fuels Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.		4,530				
6623-0-		313 Building Demolition	A2	2	The roof on south portion of the 313 building can collapse. Studies indicate demolition as the most cost effective solution to eliminate safety hazard. If unfunded, unacceptable safety hazard would remain, which could cause costly emergency action and/or serious injury to employees, including death.					200	* **
6623-0-		313 Building Demolition	A2	2	The roof on south portion of the 313 building can collapse. Studies indicate demolition as the most cost effective solution to eliminate safety hazard. If unfunded, unacceptable safety hazard would remain, which could cause costly emergency action and/or serious injury to employees,					4,800	**

4/19/94
8:54 am
Table: EM-60.db
Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
EM-60 ACTIVITIES BY CASE BY RL PRIORITY
(D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P
Case: T										
6624-0-		Interim Actions (awaiting EIS outcome)	A2	1	including death. Funds a portion of the required \$7.8M PFP Interim Actions. Includes the reactive materials sludge drying, L-10 transloading and radiation zone cleanup for dose remediation. Impact of not funding would be continued safety risks incurred by plant personnel.	5,100	*			
6624-0-		PF Plant Surveillance and Maintenance	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and training.	64,187				
6624-0-		Pre-Stabilization Safe Standby Activities	A2	2	The PFP is not in a viable condition to be put in a long-term/permanent safe standby mode. Until all nuclear materials are stabilized and vaulted, PFP is required by Nuclear Material Accountability and DOE Order Compliance to safely "care for" all SNM in the plant. If not funded, an unacceptable risk would remain for the plant personnel and the public. As the systems and equipment of the PFP continue to deteriorate and age these needs are exacerbated. In FY 95, \$6.2M is funded through productivity commitment.	11,743				
6624-0-		Pre-Stabilization Safe Standby Activities	A2	2	The PFP is not in a viable condition to be put in a long-term/permanent safe standby mode. Until all nuclear materials are stabilized and vaulted, PFP is required by Nuclear Material Accountability and DOE Order Compliance to safely "care for" all SNM in the plant. If not funded, an unacceptable risk would remain for the plant personnel and the public. As the systems and equipment of the PFP continue to deteriorate and age these needs are exacerbated.	6,200	*			
6640-	-	Defueling (Casks)	A2	2	Delay in achieving FFTF shutdown					2,204
6640-	-	FFTF Base (minsafe)	A2	2	Safe facility requirements not achieved	28,300				
6640-	-	FFTF CENTRC (minsafe)	A2	2	Safe facility requirements not achieved	400				
6640-	-	FFTF SAS (minsafe)	A2	2	Safe facility requirements not achieved	2,600				
6640-	-	FFTF Shutdown Project Office	A2	2	Direction and coordination of shutdown effort not provided.	900				
6640-	-	Fuel offload	A2	2	Delay in achieving FFTF shutdown					1,900
6640-	-	Fuel offload	A2	2	Delay in achieving FFTF shutdown					7,000
6640-	-	Fuel offload	A2	2	Delay in achieving FFTF shutdown	9,000				**

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: T											
6640-	-	Na/Nak Removal and System S/D	A2	2	Delay in achieving FFTF shutdown					1,000	
6640-	-	Na/Nak Removal and System S/D	A2	2	Delay in achieving FFTF shutdown	1,000					
6640-	-	Support/Electrial S/D	A2	2	Delay in achieving FFTF shutdown					5,900	**
6640-	-	Support/Electrial S/D	A2	2	Delay in achieving FFTF shutdown	5,900					
6641-	-	308 Bldg O&M	A2	2	Delays 308 bldg closure	500					
6642-	-	Fuel Storage Casks	A2	2	Delay in achieving FFTF shutdown.	4,296				3,025	
6642-	-	Interim Storage Area	A2	2	Delay in achieving FFTF shutdown	300					
6642-	-	Sodium Storage Facility	A2	2	Delay in achieving FFTF shutdown					6,000	**
6660-0-		Program Integration--Landlord Program Management, Project Management, and Project Control	A2	3	Required by the Defense Authorization Act to prepare the FYP document. Contractors are required by RL to prepare an MYPP per RLIP 5000.2, Long Range Planning Process. DOE 4700.1 Proj. Mgmt. Sys. Chapter 3, Part A, Baseline Management requires preparation of a baseline document, i.e., FYWP. SMS and PTS reporting are required by RL and DOE-HQ. Change control is also a requirement of DOE 4700.1. The benefits to the program of performing these planning, control, and reporting activities include being able to develop scope and schedule .	2,025					
6660-0-		Program Integration-Site Planning	A2	3	If funding is cut or eliminated, all the tasks associated with maintaining safe land use and infrastructure conditions on the Site would be abandoned. A very high potential for TPA impacts would exist as land use and site selection controls would be abandoned. life cycle planning for old and deteriorating infrastructure systems would be impossible and no follow through on the Infrastructure Transisiton Initiative strategies would occur.	1,775					
6665-0-		Expense Funded Projects - SARs	A2	2	Safety documentation for PNL facilities does not meet the requirements of DOE Orders and Tiger Team Findings document significant deficiencies in exiting SARs for both nuclear and non-nuclear facilities. The compliance plan developed for the SARs and TSRs is not being met due to lack of funding. PNL overhead has been used to gain limited progress. Funding in this activity is crucial to the progress of the work. The viability of continued use of compliant safety documentation. Activities within PNL directly supports waste tank safety, waste technology, and environmental cleanup. Not funding	1,000				1,500	

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
			RL	Grnbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	

Case: T										
6665-0-		General Purpose Facilities Roof and HVAC replacements	A2	2	<p>this work will result in increased PNL overhead rates, resulting in higher costs for support.</p> <p>Most of Hanford general purpose facilities are over 30 years old. The roofs HVAC equipment of these facilities have long outlived their useful life. Roof leaks have resulted in structural damage causing unsafe conditions. leaks also impede activities conducted in the facilities including damaging equipment. Failed/inadequate HVAC results in inhabitable facilities and damage to sensitive electronic equipment. The older HVAC systems were never intended to meet today's requirements. FY 96 incremental work at the target level includes design development for replacement of the 284-E building roof, approx. 34,000 sq.ft.</p>	2,805		651		
6670-0-		Capital Equipment--Project Identification and Scoping	A2	2	<p>The benefits to the program of this activity are the development of schedule and technical scope, coordination of the Capital Equipment Review Board Meeting, and monitoring performance to assure completion of scope and reduction of uncosted/uncommitted balances.</p>	105				
6622-0-		PUREX Environmental Compliance	B1	2	<p>If unfunded, PUREX would be in non-compliance with DOE Orders, State, and Federal regulations. PUREX would fail to meet OSR requirements for effluent monitoring and sampling. RCRA closure plan would not be submitted to meet TPA M-20-24. Air operating permit and emissions inventory would not be submitted and will violate CAA.</p>	3,243				
6622-0-		PUREX UO3 Deactivation	B1	4	<p>Finalizing of the facility cleanout plan and initial cleanout activities would be delayed by 2 years. Delay in facility cleanout results in approximately \$35M per year additional cost. Liquid wastes at PUREX do not meet all regulatory requirements for continued storage. Failure to continue rapid progress on the Deactivation Project could result in enforcement actions taken by the regulatory agencies.</p>	6,400		8,290		
6622-0-		PUREX UO3 Deactivation	B1	4	<p>If not funded, the reductions to utility systems and N cell deactivation in FY 95 could not be restored. This would also impact deactivation of ancillary buildings and preparation of the documentation package required for turn over the HSFP. Failure to fund these tasks would likely impact the overall</p>			100	* **	

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
6622-0-		PUREX UO3 Deactivation	B1	4	deactivation schedule by six months with an increased surveillance and maintenance cost of apprx. \$20M. If not funded, the reductions to utility systems and N cell deactivation in FY 95 could not be restored. This would also impact deactivation of ancillary buildings and preparation of the documentation package required for turn over the HSFP. Failure to fund these tasks would likely impact the overall deactivation schedule by six months with an increased surveillance and maintenance cost of apprx. \$20M.				4,200	**
6622-0-		PUREX UO3 Deactivation	B1	4	If unfunded, PUREX deactivation activities would be phased out and the project placed on hold, resulting in a 15 month delay in completion. Add'l surveillance and maintenance costs of apprx. \$35M per year would be incurred, as well as incremental costs to rehire and retrain staff. Liquid wastes at PUREX do not meet all regulatory requirements for continued storage. Failure to continue rapid progress on the Deactivation project could result in enforcement actions by regulatory agencies.	600	*			
6622-0-		PUREX UO3 Deactivation	B1	4	If unfunded, PUREX deactivation activities would be phased out and the project placed on hold, resulting in a 15 month delay in completion. Add'l surveillance and maintenance costs of apprx. \$35M per year would be incurred, as well as incremental costs to rehire and retrain staff. Liquid wastes at PUREX do not meet all regulatory requirements for continued storage. Failure to continue rapid progress on the Deactivation project could result in enforcement actions by regulatory agencies.	9,700				
6623-0-		300 Area Fuels Environmental Surveillance	B1	2	If not funded, DOE and WHC will be in non-compliance with RCRA, Clean Air Act, Clean Water Act, Model Toxics Control Act, Clean-up Regulations (CH 173-340). Violations could result in fines.				70	
6624-0-		PFP Environmental Compliance Activities	B1	2	PFP specific environmental compliance activities would not be supported if not funded and capital support would not be available to maintain the facility in compliance with regulations. PFP Part B Permit (M-20-48) and Tank Interim Status (M-32-01) would not be supported, air operating				2,173	

4/19/94

8:54 am

Table: EM-60.db

Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Page 12

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: T										
6624-0-	PFP NEPA	B1	6	DOE-HQ has directed that environmental documentation be completed and support to projects related to TPA milestone M-17-00 would not be provided. PFP septic system repair and restoration is not funded at this level.	1,514					
6640- -	Environmental Protection	B1	2	Facility Wastes not properly dispositioned	1,400					
6641- -	308 Bldg. Surveillance	B1	2	Building OSR violations and environmental compliance issues	700					
6660-0-	Program Integration NEPA	B1	6	NEPA establishes national environmental policy goals for the protection, maintenance, and enhancement of the environment and provides a process for implementing these goals within the federal agencies. If not funded in FY95, the NEPA documentation for the Hanford Site General Purpose Facility projects cannot be prepared.	158					
6670-0-	Capital Equipment - various commitments/priorities	B1	2	FY 1995 funding supports B1--TPA M-32-02, item d, Digital Site GIS Base Map Collection; B2--Elimination of waste streams (300 Area Powerhouse); C1--Radio equipment to support Emergency Preparedness; C2--Telecommunications spares for maintenance of system, HEHF/PNL equipment; D1--test equipment to support telecommunications maintenance; E1--replace obsolete shop equipment; F1--Transportation replacements (light, heavy, including CWIP), Document and Records Services equipment, SCADA replacement (remote operation of substations to prevent power outages.) Incremental funding in FY96 includes CAD workstations, Eng. Analysis Workstations, Transportation, etc.	11,500			1,809		
6680-0-	On-going line items	B1	2	Projects currently under construction would not be completed which may result in legal liabilities associated with current contracts.	14,008					
6680-0-	Proposed Line Items (FY 1996 - 1997)	B1	2	Required to support development of outyear line item projects including permitting and validation.	968					

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I
Case: T											
6694-0-		TPA State Funding - Mixed Waste Fee	B1	3	Required to meet DOE commitments to regulators and stakeholders.	4,897					
6641-	-	Legacy Occupancy	B2	2	Safe facility requirements not achieved.	300					
6641-	-	NE legacies	B2	2	Disposition of legacy facilities suspended	1,100			771		
6641-	-	TRIGA Fuel disposition	B2	2	Delays 308 bldg closure, TRIGA fuel remains in 308	1,000					
6675-0-		General Plant Projects	B2	2	Incremental target funding provides for construction of parking safety upgrades and 300 Area water metering to control effluents.				2,783		
6675-0-		General Plant Projects	B2	2	Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, a lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is jeopardized, state and federal laws cannot be met, and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are available with sufficient capacity when needed.	8,280					
6680-0-		FY 1995 New Starts	B2	2	FY 1995 projects will begin Definitive Design. (Primary Highway Rte-N of Wye Barricade and 324 Facility Compliance Renovation)	4,101					
6660-0-		Program Integration--Capital Asset Management Process (CAMP)	C2	4	If not funded at the target level, the Roof Assessment program to examine the roofs to determine safe access cannot be accomplished, the surveillance and maintenance of unoccupied non-radiologica facilities will not continue, the development and maintenance of the Site Catalogs will not continue, and only a limited amount of CAS information will be evaluated and constructively summarized. Without the evaluation of the CAS data, no roof assessment program to determine safe roof access and not surveillance and maintenance of unoccupied non-radiological facilities, and the potential for a serious accident is drastically increased.	1,020			426		
6665-0-		Expense Funded Projects -NEC	C2	2	Electrical system deficiencies have been identified in facilities that, if left as is, could result in personnel injury, property loss, and disruption of mission. Potential injuries from electrical systems has been identified as a	666					

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)	
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P

Case: T										
6665-0-		Expense Funded Projects--Demolition	C2	2	highly likely event at Hanford due to the current condition. Not funding this work will delay the correction process resulting in unresolved safety related deficiencies and add'l costs to due escalation. Buildings which are no longer useful or which present a danger to personnel due to their condition require demolition. If the buildings remain standing, they must be maintained and routine surveillance conducted. Certain building sites cannot be reused or transferred to others if the demolition is not performed. Not funding this work will delay the demolition of structures in the 300 and 3000 Areas impacting final cleanup of the site.	1,319				
6665-0-		Expense Funded Projects--General Purpose facilities maintenace and repairs	C2	2	This work is required to correct safety deficiencies and to maintain the habitability of buildings. If not funded, leaking roofs and structural failures cannot be repaired, and failing HVAC systems cannot be replaced, and buildings will not be maintained. This workscope should no longer be funded through overheads, as doing so is in direct violation of the Contracting Cost Accounting Standards which states that costs must be charged to an end objective. GPFs are needed in support of the Hanford Waste Management and Environmental Restoration mission. The maintenance and repairs of these GPFs clearly falls under the Landlord Program specific mission.	1,588				
6604-0-		Dose Reconstruction/health Infor network	E1	6	Required to meet DOE commitments to regulators and stakeholders.	4,300				
6680-0-		Line Items--Project identification and Scoping	E1	5	Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, a lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is jeopardized, state and federal laws cannot be met, and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are availabale with sufficient capacity when needed.	582				

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Case#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			
			RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I
Case: T									
- -		G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(1,000)		(129)	
- -		Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(5,670)		(748)	
- -		G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative overhead rates.	(1,900)		(300)	
- -		Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(12,922)		(1,604)	
4190-	-	Defense Production Funding	F1			(20,000)			
6602-	-	Economic Transition	F1			3,720	*	3,028	
6625-0-		PPF SAS Upgrades	F1	2	Upgrades will result in Vault Safeguards and Security Systems that are necessary to comply with DOE Orders. Failure to fund the SAS Upgrades will result in non-compliant Safeguards and Security Systems due to equipment failures and lack of maintainable equipment.	51	*		
6625-0-		PPF SAS Upgrades	F1	2	Upgrades will result in Vault Safeguards and Security Systems that are necessary to comply with DOE Orders. Failure to fund the SAS Upgrades will result in non-compliant Safeguards and Security Systems due to equipment failures and lack of maintainable equipment.	1,700		1,100	**
6660-	-	G & A Rate Reduction	F1		Anticipated reductions in the Westinghouse Company level General and Administrative (G&A) overhead rates.	(300)		(45)	
6660-	-	Productivity Commitment	F1		Productivity Commitment (10%) identified by the Westinghouse Program Integration Team (PIT) in order to fund designated critical unfunded items.	(5,157)		(709)	
6690-0-		Yakima Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.	1,600			
6691-0-		Nez Perce Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.	1,200			
6692-0-		Umatilla Indian Nation Grant	F1	6	Required to meet DOE commitments to regulators and stakeholders.	1,400			
6693-0-		Oregon Hanford Oversight	F1	6	Required to meet DOE commitments to regulators and stakeholders.	543			
6695-0-		Environmental Support	F1	3	Required to meet DOE commitments to regulators and	1,669			

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads#	Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grnbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: T											
stakeholders.											
						=====		=====			
Sub Total for Case T						314,633		53,152			
						=====		=====			
Sub Total for Case D&T						314,633		308,792			
Case: P											
6623-0-		300 Area Roof Repair	A2	4	Catastrophic roof failure could result in possible serious personnel injury including death. Other possible impacts include loss of fire protection, and possible steam system ruptures. If 313 building demolition is funded in FY 1995, roof repair is not required.	6,300					
6624-0-		PFP Interim Actions	A2		Funds 242-Z duct remediation activities to reduce overall plant risk and radiation zone exposure to nuclear operators. If not funded, will impact the ability to meet radiation dose reduction commitments for interim actions.	2,700					
6640- -		Defueling (Casks)	A2	2	Delay in achieving FFTF shutdown	3,804			1,340		
6640- -		Na/Nak Removal and System S/D	A2	2	Delay in achieving FFTF shutdown	7,000			4,600		
6640- -		Support/Electrical S/D	A2	2	Delay in achieving FFTF shutdown	1,500			500		
6642- -		PFP Mods	A2	2	Delay in achieving FFTF shutdown.	1,200			1,500		
6642- -		Sodium Reaction Facility	A2	2	Delay in achieving FFTF shutdown	8,400			9,900		
6642- -		Sodium Storage Facility	A2	2	Delay in achieving FFTF shutdown	8,000					
6660-0-		Program Integration -- Project Control	A2	3	Project control has been funded through the use of work orders with KEH performing the work. If not funded, project control will have to be funded through overheads.				571		
6660-0-		Program Integration-Site Planning	A2	3	At the planning level, 100% of Site Planning's functions would be funded through Landlord. At levels lower than this, funding will still be required from the Occupancy Pool to meet administrative costs, life cycle planning would not occur for all infrastructure systems, and Modules I and II of the land use and infrastructure planning system could not be developed.				2,375		
6665-0-		General Purpose Facilities Roof and HVAC replacements	A2	2	Incremental FY96 funding includes partial replacement of the 284-E Building roof.				1,349		
6665-0-		SARS	A2	2	The additional funds will allow acceleration of the safety				1,476		

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Ads#	Sub Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
			RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: P											
6670-0-		Capital Equipment - various commitments/priorities	A2	2	documentation preparation and earlier elimination of the non-compliance. The benefit of the add'l funding is reduced funded requirements in the outyears and more positive impact to PNL overhead rates. Code of Federal Regulations (CFR) 41 101-38.402 and 101-25.405. This equipment is required to continue support of construction and restoration activities. All requested units are for replacement of obsolete and far beyond normal service life equipment. Continued use of some construction.						3,875
6685-0-		Proposed Line Items	A2	2	FY 1997 Line Items will be in budget year - 1 (fallow year). FY 1998 Line items will be in CDR stage and presented for validation. A/E selection would not occur for 97 Lis and CDRs will not be completed for FY 98 Lis.						260
6620-0-		Facility Operations Environmental Compliance Oversight	B1	2	If unfunded, required support to oversee environmental compliance activities would not be available.			879			905
6622-0-		PUREX UO3 Deactivation	B1	4	If not funded in FY 95, the deactivation of the utility systems and N Cell will be delayed from the scheduled completion dates. If funding for these activities is restored in FY 96, the schedule delays could be managed so not to delay the overall completion date for the project.			1,634			
6623-0-		300 Area Fuels RCRA Closure Actions	B1	2	The RCRA closure process for 303K Mixed Waste Storage Facility, the Waste Acid Treatment Facility System and 304 Concretion Facility would be delayed on a year-for-year basis. New TPA milestones will be established upon approval of the closure plans. If closure actions are not funded, DOE and WHC would be considered in violation of the Tri-Party Agreement, RCRA, and WA State Hazardous Waste Management Act, and could result in criminal fines and penalties.			1,526			1,104
6623-0-		Office Space	B1	2	If not funded, 333 Building will be needed for 300 Area Fuel supply personnel and could not be shutdown. Incremental costs of approximately \$350K per year would be required to provide steam to 333 Building.			350			
6624-0-		PPF EIS Preparation	B1	6	If unfunded, delays in the development of NEPA documentation will cause the plant to remain in a high hazard standby condition for extended periods.			2,500			
6624-0-		PPF Environmental Compliance	B1	2	Funds all capital requirements (CENTRC and GPPs) for PPF.			4,700			2,500

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)			(\$,000)		
		RL	Grmbly		FY 95	FY95P	FY95I	FY 96	FY96P	FY96I

Case: P										
6641- -	RCRA Closure Actions	B1	2	Loss of these funds would eliminate the flexibility to respond to unforeseen problems and failures which, per the history of the plant, occur every year. Does not support M/S M-20-00	1,200					
6675-0-	General Plant Projects - 300 Area Cable Replacement	B2	2	This project replaces the overhead signal cable in the 300 Area. This cable is installed in the 1950s and is now obsolete, deteriorated, unreliable, and creates an overhead obstruction. The signals that travel on the cable are still needed and provide critical alarms and site evacuation messages.					2,200	
6624-0-	PFP Project Support	C1	2	Provides expense funding to manage ongoing PFP GPPs, and Small Projects. Includes project engineers to follow projects, as well as Engineering Studies, FDCs, and CDRs. Impact of eliminating these funds is to jeopardize the continued safe operation of PFP, as well as the loss of experienced technical personnel.	659				674	
6660-0-	Program Integration--Capital Asset Management Process (CAMP)	C2	4	If not funded, the systems and assets will continue to deteriorate without a structured program in place to identify and address the potential problems. This increases the likelihood of imminent safety hazards going unnoticed and greatly increases the potential for more accidents and the possibility of another fatality.					1,517	
6665-0-	Expense Funded Projects--General Purpose Facilities maintenace and repairs	C2	2	Includes North General Purpose Facility maintenance, all of the PNL corrective maintenance and PNL preventative maintenance. Also includes carpenter services for the North general purpose facilities.					12,075	
6680-0-	Line Items--Project identification end Scoping	E1	5	Temporary facilities on site were constructed during the 1940s as part of the Manhattan Project. Over the years, lack of dedicated funding for maintenance and upgrades of a temporary system has significantly deteriorated the infrastructure. The site mission is jeopardized, state and federal laws cannot be met, and employee and public health and safety is at risk. This work benefits the accomplishment of the site mission by assuring that utilities and support facilities are available with sufficient capacity when needed.					1,262	

4/19/94
 8:54 am
 Table: EM-60.db
 Report: #7

FY95/FY96 INTEGRATED EM PRIORITY LIST
 EM-60 ACTIVITIES BY CASE BY RL PRIORITY
 (D=Decrement, T=Target, P=Planning)

Sub Ads# Act	Workscope Desc	Priority		Justification	(\$,000)		(\$,000)		
		RL	Grmbly		FY 95	FY95P FY95I	FY 96	FY96P FY96I	
Case: P									
6620-0-	Systems Engineering/Strategic Planning	F1	3	Failure to fund this effort will result in Facility Operations deactivation plans not being understood in terms of their impact to the site and the site mission to clean up Hanford. The DNFSB has been requiring new projects to understand how they interface and relate to other site cleanup operations, prior to approval of funding requests. How Facility Ops activities fit into the cleanup mission will remain little understood and the ability to obtain future funding is jeopardized.	672			687	
6623-0-	300 Area Shutdown	F1	4	If not funded, the 300 Area Fuel Supply facilities will not be transferred to R&R Program and the Surveillance and Maintenance programs will be needed to continue (apprx. \$3.0M per year) until after FY2000, depending upon funding.	1,638			1,846	
6623-0-	Building Demolition	F1	4	If not funded, unacceptable safety hazard would remain, which could cause costly emergency action and/or serious injury to employees, including death. A one-year delay will result if not funded in FY 95. (\$5.0M is funded in FY 96 to initiate building demolition.)	10,000			2,000	
6625-0-	PFP Plant Life Extension (PLEX)	F1	2	Failure to fund PLEX upgrades will result in a facility that can no longer maintain the storage of SNM/NM/NF in a manner compliant with all DOE Orders. The facility systems are getting too old to reliably maintain. Replacement or alternate utility sources and other strategic upgrades will allow for the safe, efficient deactivation of some portions of the facility while allowing other portions to continue to perform interim SNM/NM/NF storage.	2,400			2,455	
Sub Total for Case P					67,062			56,971	
Sub Total for Case P					67,062			56,971	
Grand Total					381,695			365,763	

VIII. - Impacts of EM Target case

Report #4

Table: Deltai.db

Title: Additional HQ Target by RL Priority

All items on this report will have double asterisks

Summary Explanation of Report:

This report provides a listing of the scope that would be eliminated if the additional \$131M target in FY 1996 is not received by DOE-HQ. The data in this report is sorted and totaled by RL priority (i.e. A1 priority items first, F1 priority items last).

FY95/FY96 INTEGRATED EM PRIORITY LIST
 ADDITIONAL HQ TARGET IN FY 1996 BY RL PRIORITY

Sub Ads# Act	Workspoe Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	FY95 I FY96 I
4110-0-	Applied Technology	A2	Ensure that appropriate decisions about applicable technologies are made and that definable technology solutions are developed that are directly coupled to the SNF project needs. Significant reduction will severely impact the ability of Applied Technology group to meet its commitments. Technology needs are defined during the systems engineering analysis. Specifically treatment of basin water to remove tritium and technology development of a sludge retrieval/removal system will be delayed. These delays will impact reduction of personnel exposure and potentially add add'l insutel to the environment due to basin leakage. This could also impact the		1,761	**
4110-0-	Regulatory Integration and Public Involvement	A2	Funding is needed to provide for the Public Involvement activities and Regulatory and Safety basins for current and future spent fuel disposition alternatives.		1,200	**
6640- -	Fuel offload	A2 2	Delay in achieving FFTF shutdown		7,000	**
6640- -	Support/Electrial S/D	A2 2	Delay in achieving FFTF shutdown		5,900	**
4195-0-	Cesium Capsule Return	A2 6	If not funded, WESF cesium capsules would not be returned from IOTECH and ARECO resulting in DOE commitments to State of Colorado and the NRC would not be met.		100	**
4195-0-	Cesium Capsule Return	A2 6	If not funded, WESF cesium capsules would not be returned from IOTECH and ARECO resulting in DOE commitments to State of Colorado and the NRC would not be met.		2,900	**
6603-0-	DOE-RL Field Support	A2 3	Human radiation test/declassification effort		4,000	**
6623-0-	313 Building Demolition	A2 2	The roof on south portion of the 313 building can collapse. Studies indicate demolition as the most cost effective solution to eliminate safety hazard. If unfunded, unacceptable safety hazard would remain, which could cause costly emergency action and/or serious injury to employees, including death.		4,800	**
6623-0-	313 Building Demolition	A2 2	The roof on south portion of the 313 building can collapse. Studies indicate demolition as the most cost effective solution to eliminate safety hazard. If unfunded, unacceptable safety hazard would remain, which could cause costly emergency action and/or serious injury to employees, including death.		200	**
6642- -	Sodium Storage Facility	A2 2	Delay in achieving FFTF shutdown		6,000	**
Sub Total for RL Priority A2				0	33,861	

4/15/94
 12:42 pm
 Table: Deltai.db
 Report: 4

FY95/FY96 INTEGRATED EM PRIORITY LIST
 ADDITIONAL HQ TARGET IN FY 1996 BY RL PRIORITY

Sub Ads# Act	Workscpoe Desc	Priority		Justification	(\$,000)	(\$,000)		
		RL	Grmbly		FY 95	FY 96	FY95 I	FY96 I
2300-1-	Phase II BAT/AKART (Project W-252) Partial funding	B1	5	Continues project support and provides partial funding for construction of Phase II streams BAT/AKART implementation for Tank Farms, B-Plant, and 284-E Powerplant to meet Oct 97 M-17 milestone. Impact: TPA M-17-00B milestone would be missed.		12,592		**
1210- -	D/C/T Arm Based SST WR Demo	B1	3	Provide the design/construction, procurement, and installation of the waste retrieval systems necessary to complete retrieval of tank 241-c-106, folling sluicing operations. Provides for the testing and demonstration of long-reach manipulator retrieval systems and the development of such a retrieval system. If not funded, delay to milestone M-45-03.		8,200		**
1210-0-	D/C and Perform SST Barrier Feature Tests/Demo	B1	2	Provide the feasibility study, development, procurement, site modification, construction, installation, and performance testing of small scale sub-surface confinement system for SSTs. Meet TPA and safety initiative milestones. Delays TPA milestone M-45-07.		4,600		**
1210-0-	Define Characterization Needs/Develop Simulants	B1	1	Provide and maintain data quality objective (DQO) for the retrieval program. Develop simulants which match the selected physical and/or chemical properties selected to characterize the performance of retrieval equipment/processes. Preceeds pump tests. Delay DST retrieval projects design.		1,000		**
1210-0-	Define Initial DST WR Systems Project	B1	3	Prepare engineering trade studies, assessments, project definition, and project level functions and requirements. Perform systems engineering assessments of needs and interfaces with other TURS elements. Prepare test and evaluation plan. Delay DST retrieval projects design.		500		**
1210-0-	Define Initial SST WR Support Service Facility	B1	3	Define and establish the waste receiver and support facility requirements necessary to provide the SST retrieval system operations for the first tank farm. Provide requirements to Tank Farm upgrades. Delay upgrade projects and TPA milestone M-45-04.		200		**
1210-0-	Define Initial SST WR System Project	B1	3	Define and establish the initial SST retrieval systems. Include the engineering trade studies necessary to bound project scope and select retrieval technologies for specific tanks. Establish functional, technical, and design requirements, and complete the ES and project documentation necessary to obtain key decision 0. Impacts TPA milestone M-45-04.		1,500		**
1220- -	Define F&R for In-Tank Processing	B1	3	Needed to ensure that in-tank washing is implemented to support HLW pretreatment as scheduled. Jeopardizes meeting TPA milestone M-50-04. (Start hot operations of HLW pretreatment facility.)		565		**

4/15/94
 12:42 pm
 Table: Deltai.db
 Report: 4

FY95/FY96 INTEGRATED EM PRIORITY LIST
 ADDITIONAL HQ TARGET IN FY 1996 BY RL PRIORITY

Sub Ads# Act	Workscpoe Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	FY95 I FY96 I
1220- -	Develop/Evaluate Solids/Liquids Separations Alts	B1 4	Data from these tests will be used in trade studies that determine the acceptability of enhanced sludge washing, supporting M-50-03. Lack of this work jeopardizes the operation of the LLW pretreatment and potentially increase the volume of waste that will go to HLW vitrification.		10,392	**
1220- -	Develop/Evaluation sep tech for other rads (Part I)	B1 4	Needed to support waste treatment prior to processing in either HLW or LLW facilities. Potentially delays LLW processing.		3,800	**
1220- -	Develop/evaluate sludge treatment alternatives	B1 4	Support of activities to reduce HLW glass volumes and supports completion of TPA milestone M-50-03. Delays completion of milestone.		2,200	**
1220- -	Hot test facility activities	B1 4	Need for pilot scale testing of the pretreatment processes using real waste is necessary for facility design and process validation. management assumes significant cost, shedule, and technical risk that the LLW and HLW pretreatment plants can successfully operate if such test information is unavailable.		17,052	**
1220-2-	Prepare Advanced Conceptual Design (ACDR) -HLW	B1 4	Conceptual design needed to support definitive design. Ensures timely incorporation of solids/liquids separation and sludge processing technologies. Delay of CDR activities could delay start of definitive design, TPA milestone M-50-04-T02, or cause increased risk associated with uncertainties in technology development.		3,173	**
1230- -	Conceptual Design	B1 4	Conceptual design activities include development of a CDR including the cost and schedule information required for key decisions 1 and 2. Impacts TPA milestones M-60-03 and-04.		14,900	**
2300-0-	200 Area Systems Engineering New Feed Definition	B1 5	Supports investigation and acceptance of potential new feeds into 200 Area ETF and TEDF for treatment and disposal. The ETF was designed to treat a wide range of dilute waste water streams. To allow the treatment of streams other than the 242-A process condensate, several complex regulatory and treatment train processing issues must be satisfied. Tasks include: Enhance ETF complex flexibility; waste water feed logic; ETF utilize/process eng. interface; and treatability-lab testing. Impacts: Potential for TPA M-13 and M-34 milestones to be delayed if logic defines ETF as appropriate treatment facility.		356	**
2300-0-	Miscellaneous Streams	B1 1	Implements the plan and schedule for disposal and regulatory compliance of misc. streams submitted to Ecology in 1/94 as required by the Consent Order. Tasks include development of Best Management Practice, Injection Well registrations, and WAC 173-216 permit submittals. Impacts: Consent Order DE91NM-177 milestones would be		472	**

4/15/94
 12:42 pm
 Table: Delta1.db
 Report: 4

FY95/FY96 INTEGRATED EM PRIORITY LIST
 ADDITIONAL HQ TARGET IN FY 1996 BY RL PRIORITY

Sub Ads#	Act	Workspoe Desc	Priority		Justification	(\$,000)		FY95 I FY96 I		
			RL	Grmbly		FY 95	FY 96			
						=====	=====			
					Sub Total for RL Priority B2	0	362			
6625-0-	PFP SAS Upgrades		F1	2	Upgrades will result in Vault Safeguards and Security Systems that are necessary to comply with DOE Orders. Failure to fund the SAS Upgrades will result in non-compliant Safeguards and Security Systems due to equipment failures and lack of maintainable equipment.		1,100		**	
						=====	=====			
						Sub Total for RL Priority F1	0	1,100		
						=====	=====			
						Grand Total	0	130,848		

IX. - Productivity Workscope

Report #3

Table: Deltai.db

Title: Productivity Commitment

All items on this report will have single asterisk

Summary Explanation of Report:

This report provides a summary for FY 1995 and FY 1996 of the scope which was included as a result of the integrated application of the Productivity Commitment. The report data is sorted and totaled by RL priority (A1 scope listed first, F1 scope listed last).

This is not necessarily the same scope that would be deleted if the productivity commitment were not achieved for any reason.

4/15/94
 12:39 pm
 Table: Delta1.db
 Report: 3

FY95/FY96 INTEGRATED EM PRIORITY LIST
 PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads#	Act	Workscpoe Desc	Priority		Justification	(\$,000)	(\$,000)			
			RL	Grmbly		FY 95	FY 96	FY95 P	FY96 P	
2320-0-	e-Decontamination/Repair Services	A2	2	Unable to provide decontamination and repair services for the Hanford site and treatment services essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its Long Length Contaminated Equipment (LLCE). The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste "nonrepairable/nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA, to be			472		*	
8400-0-NA	Essential ES&H drawings	A2	2	Provides as-built drawings for the Hazard Class II Buildings safety systems modifications and investigations of occurrences. If not funded, health and safety hazards in the facility will not be corrected adequately.			854		*	
2320-0-	e-Decontamination/Repair Services	A2	2	Provide decontamination and repair services for the Hanford site. Treatment services are essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its LLCE. The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste, "nonrepairable/nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA to be consistent with waste minimization and reduction.		3,100			*	
2320-0-	e-Decontamination/Repair Services	A2	2	Provide decontamination and repair services for the Hanford site. Treatment services are essential to Tank Farms, Well Drilling and Monitoring, D&D, Fleet Maintenance. In meeting TPA milestone M-45, Tank Farms needs treatment services for its LLCE. The treatment of solid waste is compliance driven by WAC 173-303 and -307, which ensure the volumetric reduction of solid waste that is disposed of by facilities; 57-FR 37194, which designates as waste, "nonrepairable/nonreusable equipment that has come into contact with hazardous waste and requires the cleaning of exposed surfaces"; and ALARA to be consistent with waste minimization and reduction.			4,127		*	
2320-0-	g-Process Planning (Project W-372, Long Length Waste Item Transfer Port Addition)	A2	3	Required to allow oversized waste equipment from the Hanford site, entry into the 221-T canyon for waste treatment. Supports Tank Farms' TPA milestone M-45. Necessary for the treatment of Tank				401		*

Sub Ads# Act	Workspoe Desc	Priority		Justification	(\$,000)	(\$,000)	FY95 P	FY96 P
		RL	Grmbly		FY 95	FY 96		
				Farms' LLCE waste which will be shipped from Tank Farms beginning in 12/95.				
2320-0-	g-Process Planning (Project W-372, Long Length Waste Item Transfer Port Addition)	A2	3	Required to allow oversized waste equipment from the Hanford site, entry into the 221-T canyon for waste treatment. Supports Tank Farms' TPA milestone M-45. Necessary for the treatment of Tank Farms' LLCE waste which will be shipped from Tank Farms beginning in 12/95.	600		*	
4110-0-	K Basins Electrical System Corrective Actions	A2	2	Failure to fund correction of these electrical deficiencies at K Area will result in unacceptable conditions in the field for both personnel and equipment, and failure to comply with DOE Order 6430.4A, Division 16, General Design Criteria-Electrical. These deficiencies represent significant liabilities in continued safe infrastructure support at K Area for both WMC and RL.	2,500		*	
4110-0-	K Basins Operations	A2	2	If not funded, surveillance and maintenance required to maintain the facility in a safe configuration would not be performed. Activities include: plant management, systems surveillance and maintenance, engineering, health and safety, assessments, and security.	5,744		*	
4190-0-	B Plant Operations	A2	2	Incremental funding would be provided to support minimum safe requirements including plant management, training, and high energy system repairs. If unfunded, the risk of electrical and mechanical failures would increase, add'l risk would be incurred from having untrained personnel and plant management staff who would not be available to support daily operations, planning, reporting, and control.	6,800		*	
4195-0-	Cesium Capsule Return	A2	6	If not funded, WESF cesium capsules would not be returned from IOTECH and ARECO resulting in DOE commitments to State of Colorado and the NRC would not be met.		100	*	
4195-0-	Cesium Capsule Return	A2	6	If not funded, WESF cesium capsules would not be returned from IOTECH and ARECO resulting in DOE commitments to State of Colorado and the NRC would not be met.	200		*	
6623-0-	313 Building Demolition	A2	2	The roof on south portion of the 313 building can collapse. Studies indicate demolition as the most cost effective solution to eliminate safety hazard. If unfunded, unacceptable safety hazard would remain, which could cause costly emergency action and/or serious injury to employees, including death.		200	*	
6624-0-	Interim Actions (awaiting EIS outcome)	A2	1	Funds a portion of the required \$7.8M PFP Interim Actions. Includes the reactive materials sludge drying, L-10 transloading and radiation	5,100		*	

Sub Ads#	Act	Workscpoe Desc	Priority		Justification	(\$,000)		FY95 P FY96 P	
			RL	Grmbly		FY 95	FY 96		
					zone cleanup for dose remediation. Impact of not funding would be continued safety risks incurred by plant personnel.				
6624-0-		Pre-Stabilization Safe Standby Activities	A2	2	The PFP is not in a viable condition to be put in a long-term/permanent safe standby mode. Until all nuclear materials are stabilized and vaulted, PFP is required by Nuclear Material Accountability and DOE Order Compliance to safely "care for" all SNM in the plant. If not funded, an unacceptable risk would remain for the plant personnel and the public. As the systems and equipment of the PFP continue to deteriorate and age these needs are exacerbated.	6,200			*
8400-0-WA		Essential ES&H drawings	A2	2	Provides as-built drawings for the Hazard Class II Buildings safety systems modifications and investigations of occurrences. If not funded, health and safety hazards in the facility will not be corrected adequately.	830			*
8400-0-OA		Facilities, Safety and Conduct of Operations	A2	2	Regulatory requirement for testing eyewash and safety shower flush lines, asbestos survey and remediation, and MSDSs. If not funded, unacceptable worker safety conditions could occur when using eyewash stations due to rust in the lines or when exposed to asbestos or hazardous chemicals.		2,215		*
8400-0-OA		Facilities, Safety and Conduct of Operations	A2	2	Regulatory requirement for testing eyewash and safety shower flush lines, asbestos survey and remediation, and MSDSs. If not funded, unacceptable worker safety conditions could occur when using eyewash stations due to rust in the lines or when exposed to asbestos or hazardous chemicals.	2,233			*
8410-0-BA		327 Bldg. Surveillance and Maintenance.	A2	2	Regulatory requirement for regular inspection and safe storage of radioactive materials. If not funded, would create unacceptable safety risks. The potential for worker exposure and release of radioactive materials to the environment would increase.			1,396	*
8410-0-BA		327 Bldg. Surveillance and Maintenance	A2	2	Regulatory requirement for regular inspection and safe storage of radioactive materials. If not funded, would create unacceptable safety risks. The potential for worker exposure and release of radioactive materials to the environment would increase.	1,763			*
Sub Total for RL Priority A2						35,070	9,765		
1210-0-		Define Arm-Based SST WR Project	B1	3	Define and establish the first arm based retrieval project engineering trade studies necessary to bound project scope, establish		1,800		*

4/15/94
 12:39 pm
 Table: Deltaf.db
 Report: 3

FY95/FY96 INTEGRATED EM PRIORITY LIST
 PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads# Act	Workscpoe Desc	Priority		Justification	(\$,000)	(\$,000)		
		RL	Grmbly		FY 95	FY 96	FY95 P	FY96 P
				functional requirements, complete the engineering study and project documentation necessary to obtain key decision 0. If not funded, may delay TPA mileatone M-45-03.				
1210-0-	Prepare Closure Reg. Requirements Assessment	B1	6	Prepare analysis of federal and state regulation to identify issues relating to closure of SSTs. Update SST closure work plan. Delays TPA milestone M-45-06.		800		*
2220-1-	WRAP 1 (W-026)	B1	2	Provides facilities to characterize (sample) and repackage low-level mixed waste and suspect transuranic waste. Funding at the Decrement case results in completion construction of this facility to satisfy TPA milestone M-18-01. Startup activities will be phased such the low-level waste line is operational to meet the TPA. This activity provides minimum required funding to continue startup preparations including oerations procedure preparation, maeintance procedure preparation, ATPs review, preparation of OTPs preparation of environmental procedures and plans to meet Part B requirements, facility construction review, continue preparation of Personnel		9,350		*
2300-0-	200 Area ETF Operations	B1	1	Provides for LERF, ETF, and TEDF Operations. Includes full WSCF lab support. Impacts: TPA M-17 and M-26 milestones are missed and 242-A Evaporator is shut down which impacts numerous TWRS milestones.		7,500		*
2300-0-	340 Facility 2nd Containment/Leak Detection (Project W-302)	B1	2	Provides for engineering to support FY 97 Line Item for replacement of the 300 Area Radiation Process Sewer and 340 Facility. Impacts: Non-compliance with WAC/RCRA for tank systems secondary containment and leak detection requirements. Possible fines or shutdown causing closure of 300 Area Facilities including labs and delaying TWRS TPA milestones associated with core sampling and safety investigations.		114		*
2300-0-	Program Management	B1	3	Provides the planning, budgeting, statusing, performance monitoring, customer interface, and program direction for the Liquid Effluents Program. Impacts: TPA M-17 and Consent Order DE-91NM-177 milestones missed and TPA Article XLVIII, paragraphs 138/139 Cost, Schedule, and Scope Planning and Reporting not supported.		600		*
2320-2-	g-Project W-259, T Plant Secondary Containment and Leak Detection	B1	2	Initiate Advanced CDR, Definitive Design and permitting. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.		2,362		*
3700- -	Disposal Facility	B1	1	Required to meet TPA miles* 4-70-00, to provide an operational		4,524		*

FY95/FY96 INTEGRATED EM PRIORITY LIST
 PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads# Act	Workspoe Desc	Priority RL Grmblly	Justification	(\$,000) FY 95	(\$,000) FY 96	FY95 P	FY96 P
4110-0-	KE/KW Essential Systems Upgrade	B1 2	ERDF on 9/30/96. If not funded, the seismic problems identified during an RL surveillance will not be corrected. The security system maintenance problems and costs will continue to increase due to antiquated systems and unavailability of spare parts. Fire protections risks will increase, particularly in the fuel storage basins; where property loss due to a fire would be several million dollars and could be accompanied by release of on-site contamination.		1,274		*
7100-0-	k-LIMS development/implementation	B1 1	The Laboratory Information System (LIMS) is required to replace the outdated system at 222-S and provide new systems for 325 and WSCF. This project is currently ongoing with continued implementation of new features and functionality through systems configuration and development activities. An add'l \$1.7M is funded by TWRS characterization ADS 1130.		1,600		*
7100-0-	l-222-S Laboratory Facility Renovations	B1 1	Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds two rooms in FY 1996. An add'l \$2.8M in FY 1996 is funded by the TWRS Characterization ADS 1130.		1,800		*
7100-0-	m-325 Facility Renovations	B1 1	Capacity upgrades required to support at the ready-to-serve level. An add'l \$2.3M in FY 1996 is funded by the TWRS characterization ADS 1130. Renovate add'l square footage of the Radiochemistry Laboratory Suite and the Inorganic Analysis Laboratory Suite. Failure to receive the funding to continue the renovation of these laboratory areas will leave the ACL with a reduced analytical capacity from that which was originally available. This is due to the fact that the renovations will be interrupted mid-way through the process and the laboratory suites will be left in a state of partial completion.		1,500		*
8400-0-AA	Refrigerant Replacement program	B1 2	Regulatory requirement to phase out the use of regulated refrigerants. If not funded, fines may result from violations of environmental laws.		300		*
8400-0-CA	Public Safety and Resource Protection Program	B1 2	Independent assessment of the impacts of Hanford on the environment and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site Environmental Report; provides meteorological/climatological services, samples and characterizes groundwater. Provides dosimetry coordination, analytical support		3,600		*

4/15/94
 12:39 pm
 Table: Deltai.db
 Report: 3

FY95/FY96 INTEGRATED EM PRIORITY LIST
 PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads#	Act	Workspoe Desc	Priority		Justification	(\$,000)	(\$,000)		
			RL	Grmbly		FY 95	FY 96	FY95 P	FY96 P
					services, Native American interaction, NEPA characterization, a grant to Nature Conservancy, and public/educational outreach activities. Failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations, and the public as baseline information on Hanford environmental status.				
8400-0-EA		RMW Storage Tank Inspection (PML)	B1	1	Regulatory compliance for inspection of highly radioactive storage tanks. If not funded, tank integrity cannot be demonstrated, leaks may not be stopped, and the potential for release of radioactive material to the environment may increase.		1,536		*
8400-0-KA		Pollution Prevention Program	B1	2	Regulatory requirement for pollution prevention program. If not funded, the RCRA hazardous waste manifest cannot be approved resulting in the inability to ship hazardous and radioactive mixed waste to disposal/storage facilities.		535		*
1210-	-	D/C/T Arm Based SST WR Demo	B1	3	Provide the design/construction, procurement, and installation of the waste retrieval systems necessary to complete retrieval of tank 241-c-106, following sluicing operations. Provides for the testing and demonstration of long-reach manipulator retrieval systems and the development of such a retrieval system. If not funded, delay to milestone M-45-03.		8,200		*
1210-	-	D/C/T Arm Based SST WR Demo	B1	3	Provide the design/construction, procurement, and installation of the waste retrieval systems necessary to complete retrieval of tank 241-c-106, following sluicing operations. Provides for the testing and demonstration of long-reach manipulator retrieval systems and the development of such a retrieval system. If not funded, delay to milestone M-45-03.	1,000			*
1210-0-		D/C Small Volume WR System	B1	5	Design, develop, and provide a pilot-scale retrieval system to obtain small volumes of tank waste materials or planned scale test facilities supporting waste pretreatment process testing, bench-scale melter testing, in-tank sludge washing tests, and other pretreatment/disposal activities. Delays to pretreatment and disposal project designs.		700		*
1210-0-		D/C Small Volume WR System	B1	5	Design, develop, and provide a pilot-scale retrieval system to obtain small volumes of tank waste materials or planned scale test facilities supporting waste pretreatment process testing, bench-scale melter testing, in-tank sludge washing tests, and other pretreatment/disposal activities. Delays to pretreatment and disposal project designs.	700			*

4/15/94
 12:39 pm
 Table: Deltai.db
 Report: 3

FY95/FY96 INTEGRATED EM PRIORITY LIST
 PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads#	Act	Workspcoe Desc	Priority		Justification	(\$,000)	(\$,000)	FY95 P	FY96 P
			RL	Grnbly		FY 95	FY 96		
1210-0-		D/C and Perform SST Barrier Feature Tests/Demo	B1	2	Provide the feasibility study, development, procurement, site modification, construction, installation, and performance testing of small scale sub-surface confinement system for SSTs. Meet TPA and safety initiative milestones. Delays TPA milestone M-45-07.		4,600		*
1210-0-		D/C and Perform SST Barrier Feature Tests/Demo	B1	2	Provide the feasibility study, development, procurement, site modification, construction, installation, and performance testing of small scale sub-surface confinement system for SSTs. Meet TPA and safety initiative milestones. Delays TPA milestone M-45-07.	3,100			*
1210-0-		Define Arm-Based SST WR Project	B1	3	Define and establish the first arm based retrieval project engineering trade studies necessary to bound project scope, establish functional requirements, complete the engineering study and project documentation necessary to obtain key decision 0. If not funded, may delay TPA milestone M-45-03.	3,300			*
1210-0-		Define Initial DST WR Systems Project	B1	3	Prepare engineering trade studies, assessments, project definition, and project level functions and requirements. Perform systems engineering assessments of needs and interfaces with other TWRS elements. Prepare test and evaluation plan. Delay DST retrieval projects design.		500		*
1210-0-		Define Initial DST WR Systems Project	B1	3	Prepare engineering trade studies, assessments, project definition, and project level functions and requirements. Perform systems engineering assessments of needs and interfaces with other TWRS elements. Prepare test and evaluation plan. Delay DST retrieval projects design.	200			*
1210-0-		Define Initial SST WR Support Service Facility	B1	3	Define and establish the waste receiver and support facility requirements necessary to provide the SST retrieval system operations for the first tank farm. Provide requirements to Tank Farm upgrades. Delay upgrade projects and TPA milestone M-45-04.		200		*
1210-0-		Define Initial SST WR Support Service Facility	B1	3	Define and establish the waste receiver and support facility requirements necessary to provide the SST retrieval system operations for the first tank farm. Provide requirements to Tank Farm upgrades. Delay upgrade projects and TPA milestone M-45-04.	200			*
1210-0-		Define Initial SST WR System Project	B1	3	Define and establish the initial SST retrieval systems. Include the engineering trade studies necessary to bound project scope and select retrieval technologies for specific tanks. Establish functional, technical, and design requirements, and complete the ES and project documentation necessary to obtain key decision 0. Impacts TPA milestone M-45-04.		1,500		*

4/15/94
 12:39 pm
 Table: Delta1.db
 Report: 3

FY95/FY96 INTEGRATED EM PRIORITY LIST
 PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads#	Act	Workscpoe Desc	Priority		Justification	(\$,000)	(\$,000)	FY95 P FY96 P	
			RL	Grmbly		FY 95	FY 96		
1210-0-		Define Initial SST WR System Project	B1	3	Define and establish the initial SST retrieval systems. Include the engineering trade studies necessary to bound project scope and select retrieval technologies for specific tanks. Establish functional, technical, and design requirements, and complete the ES and project documentation necessary to obtain key decision 0. Impacts TPA milestone M-45-04.	700		*	
1210-0-		Define SST WR Training/Test Requirements	B1	3	Define and develop the SST retrieval systems training and test requirements to support retrieval of all 149 SSTs. Prepare functions and requirements, evaluate facility options, preform trade studies, and complete the engineering study. Delay to TPA milestone M-45-04.		800		*
1210-0-		Define SST WR Training/Test Requirements	B1	3	Define and develop the SST retrieval systems training and test requirements to support retrieval of all 149 SSTs. Prepare functions and requirements, evaluate facility options, preform trade studies, and complete the engineering study. Delay to TPA milestone M-45-04.	300		*	
1210-0-		Define WR Infrastructure Requirements	B1	2	Define the tank farm and supporting infrastructure requirements necessary to acheive mission and objectives. These requirements will be provided and integrated with the Tank Farms upgrades program. The requirements include electrical power, lighting, compressed air, tank ventilation systems, and waste transfer interfaces. Delay upgrade projects and TPA M-45-04.		100		*
1210-0-		Define WR Infrastructure Requirements	B1	2	Define the tank farm and supporting infrastructure requirements necessary to acheive mission and objectives. These requirements will be provided and integrated with the Tank Farms upgrades program. The requirements include electrical power, lighting, compressed air, tank ventilation systems, and waste transfer interfaces. Delay upgrade projects and TPA M-45-04.	300		*	
1210-0-		Evaluate Alt. SST Tech	B1	2	Evaluate alternate approaches to SST retrieval. Establish a competitive system development approach through an industry "fly-off" concept.		800		*
1210-0-		Evaluate Alt. SST Tech	B1	2	Evaluate alternate approaches to SST retrieval. Establish a competitive system development approach through an industry "fly-off" concept.	700		*	
1210-0-		Evaluate and Test SST Leak Detection Methods	B1	2	Provide leak detection and monitoring system functions and requirements, evaluate the available technologies, and select technologies for engineering development/testing. Test the selected technologies. Provide the leak detection and monitoring system. Potential delay to start of sluicing and TPA milestone M-45-04.		2,000		*

4/15/94
 12:39 pm
 Table: Deltai.db
 Report: 3

FY95/FY96 INTEGRATED EM PRIORITY LIST
 PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads#	Act	Workspoe Desc	Priority		Justification	(\$,000)		FY95 P FY96 P	
			RL	Grnbly		FY 95	FY 96		
1210-0-		Evaluate and Test SST Leak Detection Methods	B1	2	Provide leak detection and monitoring system functions and requirements, evaluate the available technologies, and select technologies for engineering development/testing. Test the selected technologies. Provide the leak detection and monitoring system. Potential delay to start of sluicing and TPA milestone M-45-04.	1,500		*	
1210-0-		Perform DST WR Process Test	B1				300		*
1210-0-		Perform DST WR Process Test	B1	1	Prepare the test plan for the retrieval process test in tank 101-AZ. Train personnel. Perform the operational readiness reviews and perform the test. Delay to pretreatment activities and DST retrieval projects design.		300		*
1210-0-		Perform DST WR Process Test	B1	1	Prepare the test plan for the retrieval process test in tank 101-AZ. Train personnel. Perform the operational readiness reviews and perform the test. Delay to pretreatment activities and DST retrieval projects design.	8,600			*
1210-0-		Prepare Closure Reg. Requirements Assessment	B1	6	Prepare analysis of federal and state regulation to identify issues relating to closure of SSTs. Update SST closure work plan. Delays TPA milestone M-45-06.	300			*
1220- -		Develop/evaluate sludge treatment alternatives	B1	4	Support of activires to reduce HLW glass volumes and supports completion of TPA milestone M-50-03. Delays completion of milestone.	1,900			*
1220- -		Hot test facility activities	B1	4	Need for pilot scale testing of the pretreatment processes using real waste is necessary for facility design and process validation. management assumes significant cost, shedule, and technical risk that the LLW and HLW pretreatment palns can successfully operate if such test information is unavailable.	2,889			*
1220- -		Prepare PSE - LLW Mod 2	B1	1	Hazard and potential consequences data is needed during definitive design for prevention and migration of potential accide consequences. Delay of definitive design and other facility permitting.	400			*
1220-2-		Prepare Advanced Conceptual Design (ACDR) -HLW	B1	4	Conceptual design needed to support definitive design. Ensures timely incorporation of solids/liquids seperation and sludge processing technologies. Delay of CDR activities could delay start of definitive design, TPA milestone M-50-04-T02, or cause increased risk associated with uncertainties in technology development.	1,300			*
1220-2-		Prepare Advanced Conceptual Design (ACDR) -HLW	B1	4	Conceptual design needed to support definitive design. Ensures timely incorporation of solids/liquids seperation and sludge processing technologies. Delay of CDR activities could delay start of definitive design, TPA milestone M-50-04-T02, or cause increased risk associated with uncertainties in technology development.		3,173		*

4/15/94
 12:39 pm
 Table: Deltaf.db
 Report: 3

FY95/FY96 INTEGRATED EM PRIORITY LIST
 PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads# Act	Workspoe Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	FY95 P FY96 P
1220-2-	Prepare Conceptual Design (CDR) - HLW	B1 4	Supports completion of TPA milestone M-50-04-T01, CDR HLW pretreatment facility. Concurrent design with CDR LLW pretreatment facility ensures proper and timely integration of requirements. Creates possible disconnect between design of LLW pretreatment and HLW pretreatment (e.g., both LLW and HLW handling in each facility).	3,000		*
1220-2-	Prepare PSE - HLW Pretreatment Facility	B1 4	Hazard and potential consequences data is needed during definitive design for prevention and migration of potential accident consequences. Delay of definitive design and other facility permitting.		290	*
1230- -	Conceptual Design	B1 4	Conceptual design activites include development of a CDR including the cost and schedule information required for key decisions 1 and 2. Impacts TPA milestones M-60-03 and-04.		14,900	*
1230- -	Conceptual Design	B1 4	Conceptual design activites include development of a CDR including the cost and schedule information required for key decisions 1 and 2. Impacts TPA milestones M-60-03 and-04.	12,420		*
1230- -	Maintain Technical Basis Documentation	B1 4	Develop a methodology and plan for media handling for the LLW disposal program. This will provide a system to track and recover documents and other written communications. Retrieval of key program documentation is essential to defend startup and disposal decisions. Lack of funding in FY95 and FY96 will increase the programmatic risk and delay this implementation. It is prudent to set up a system like this at the start of the program.	621		*
1230- -	Non-Vitrifiable LLW Systems	B1 4	Results in the information required to generate the basis for stabilization, treatment, and disposal of these non-vitrifiable products. Impact delays identification of technologies to handle waste streams that will not be captured in the LLW glass. Such as off-gas HEPA filters.	1,346		*
1230- -	Operations Preparation	B1 4	This activity includes planning for plant operations. This will include training plans, staffing, staffing plan, startup plan, sampling plans, maintenance plans, operating plans, etc. Delay to TPA milestone M-60-05, Hot Operations.		1,300	*
1230- -	Perform Engineering Review and Support	B1 4	Provide internal and external design review of LLW vitrification program documents. Lack of funding in FY 95 and FY96 will increase risk and acceptance of the designing information.		2,000	*
1230- -	Perform Engineering Review and Support	B1 4	Provide internal and external design review of LLW vitrification program documents. Lack of funding in FY 95 and FY96 will increase risk and acceptance of the designing information.	311		*

FY95/FY96 INTEGRATED EM PRIORITY LIST
PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads# Act	Workspcoe Desc	Priority		Justification	(\$,000)	(\$,000)	FY95 P	FY96 P
		RL	Grmbly		FY 95	FY 96		
1230- -	Perform engineering studies, Select baseline	B1	4	This activity evaluates potential sites for locating the process and storage/disposal facilities for LLW vitrification in the 200 Areas. Site selection is required to initiate the project. Lack of FY95 and FY96 would prevent issuance of the site selection report and would result in a day-for-day delay.	725		*	
1230- -	Preconceptual Design	B1	4	Follows up work from the Facility Ops Engineering study. The scope will also include assessing the inputs from the draft F&R documents and process flowsheets to prepare preconceptual design documentation, including block diagrams, HVAC, filtration and scrubbers, remote handling needs, transportation, cranes, electrical supplies and distribution, cold chemical storage and feed, compressed air, instrument air, etc. Lack of funding in FY95 and FY96 would impact the information detail available to the A/E through preconceptual design. Consequently, future costs would be impacted on a dollar-for-dollar basis. Risk would also increase for implementation of	725		*	
1230- -	Prepare Interim LLW Performance Assessment	B1	4	This task will prepare interim performance assessment to provide confidence before start of construction that the low-level waste disposal will pass DOE and public review. Lack FY 95 and FY 96 funding the interim LLW Performance Assessment will increase the risk to acceptance of the final disposal system design and waste form (cost and schedule risk).	725		*	
1230- -	Prepare Interim LLW Performance Assessment	B1	4	This task will prepare interim performance assessment to provide confidence before start of construction that the low-level waste disposal will pass DOE and public review. Lack FY 95 and FY 96 funding the interim LLW Performance Assessment will increase the risk to acceptance of the final disposal system design and waste form (cost and schedule risk).		600		*
1230- -	Prepare Performance Assessments	B1	4	Develop strategies for Performance Assessment activities and provide guidance on how PA activities could affect other parts of the LLW project. The PA is required for startup. Lack of funding for the PA will increase the technical risk to disposal design concepts, waste form, and public acceptance of the LLW vitrification program and potentially delay the startup of facility.	311		*	
1230- -	Prepare Preliminary and Final LLW PA	B1	4	Complete the PA for review and approval by DOE-HQ and public review. The PA is required for startup. Lack of funding for the PA will delay completion of the PA. Lack of funding in FY 95 can be compensated in 2001 through 2005 with some increased risk.	3,933		*	

FY95/FY96 INTEGRATED EM PRIORITY LIST
PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads# Act	Workscopoe Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	FY95 P	FY96 P
1230- -	Prepare Preliminary and Final LLW PA	B1 4	Complete the PA for review and approval by DOE-HQ and public review. The PA is required for startup. Lack of funding for the PA will delay completion of the PA. Lack of funding in FY 95 can be compensated in 2001 through 2005 with some increased risk.		4,800		*
1230- -	Project Definition Support	B1 4	This activity provides ongoing support to vitrification facility design and construction activities. Includes operability and maintenance interface, input to the project, and documentation review support. Impacts TPA milestone M-60-05, Hot Operations.	311			*
1230- -	Project Definition Support	B1 4	This activity provides ongoing support to vitrification facility design and construction activities. Includes operability and maintenance interface, input to the project, and documentation review support. Impacts TPA milestone M-60-05, Hot Operations.		1,000		*
1230- -	Project Management	B1 3	Project management activities consist of change control administratin, baseline management, program pain development, configuration control, cost reporting, procedure preparation, personnel management, reports/presenations, and quality assurance oversight. TPA milestone M-60-03 will not be met, if not funded.		2,200		*
1230- -	Project Management	B1 3	Project management activities consist of change control administratin, baseline management, program pain development, configuration control, cost reporting, procedure preparation, personnel management, reports/presenations, and quality assurance oversight. TPA milestone M-60-03 will not be met, if not funded.	1,863			*
1230- -	Safety Analysis Reports/Permits	B1 4	SAR/permitting activities will provide documentation addressing significant safety aspects of the project and environmental documentaion addressing construction and operations. TPA milestone M-60-04 will not be met, if not funded.		600		*
1230- -	Safety Analysis Reports/Permits	B1 4	SAR/permitting activities will provide documentation addressing significant safety aspects of the project and environmental documentaion addressing construction and operations. TPA milestone M-60-04 will not be met, if not funded.	414			*
1240- -	Manage Project	B1 3	Support preparation for Key Decision 0. Needed for conceptual design, TPA milestone M-51-03-T01.		100		*
1240- -	Perform Feed Specs/Processability Assessment	B1 5	Provide assessment of the acceptability of waste glasses, limits on key glass components, and estimated volume of glass. This support facility conceptual design and impacts 1998 TPA milestone M-51-03-T01. Delay of 2 years if not funded.		700		*
1240- -	Pe Feed Specs/Processability	B1 5	Provide assessment of the acceptability of waste glasses, limits on	600			*

Sub Ads# Act	Workscpoe Desc	Priority RL Grmby	Justification	(\$,000) FY 95	(\$,000) FY 96	FY95 P	FY96 P
	Assessment		key glass components, and estimated volume of glass. This support facility conceptual design and impacts 1998 TPA milestone M-51-03-T01. Delay of 2 years if not funded.				
1240- -	Perform HLW Process/Equipment Development and Testing	B1 5	Identify, test, and evaluate alternative process/equipment options to support melter system development testing and as preparation for conceptual design. This work is needed to evaluate balance of plant issues for each candidate melter and supports TPA milestone M-51-02. Delay of 3 years, if not funded.		3,100		*
1240- -	Perform HLW Process/Equipment Development and Testing	B1 5	Identify, test, and evaluate alternative process/equipment options to support melter system development testing and as preparation for conceptual design. This work is needed to evaluate balance of plant issues for each candidate melter and supports TPA milestone M-51-02. Delay of 3 years, if not funded.	2,900			*
1240- -	Perform Initial Feed/Process Development	B1 5	Develop feed processes/chemistry in support of process/equipment development. This is needed to evaluate balance of plant issues and supports TPA milestone M-51-02. Delay of 3 years if not funded.		1,400		*
1240- -	Perform Initial Feed/Process Development	B1 5	Develop feed processes/chemistry in support of process/equipment development. This is needed to evaluate balance of plant issues and supports TPA milestone M-51-02. Delay of 3 years if not funded.	1,200			*
1240- -	Perfrom Initial Glass Formulation	B1 5	Develop and evaluate waste glass formulations based on HLW composition definition to support melter testing/evaluation, process equipment development/testing, pre-project systems trade studies, and preparation for conceptual design.		2,100		*
1240- -	Perfrom Initial Glass Formulation	B1 5	Develop and evaluate waste glass formulations based on HLW composition definition to support melter testing/evaluation, process equipment development/testing, pre-project systems trade studies, and preparation for conceptual design.	2,000			*
1240- -	Prepare HLW Process	B1 4	Develop HLW facilities scope and prepare functions and requirements for a HLW vitrification facility as preparation for conceptual design. This supports conceptual design and impacts TPA milestone M-52-03-T01. Delay of 2 years if not funded.		1,400		*
1240- -	Prepare HLW Process	B1 4	Develop HLW facilities scope and prepare functions and requirements for a HLW vitrification facility as preparation for conceptual design. This supports conceptual design and impacts TPA milestone M-52-03-T01. Delay of 2 years if not funded.	1,400			*
1240- -	Prepare HLW Process	B1 5	Perform trade studies on size and type of waste package (canister, cask, etc.), TRU waste disposal options, melter system options,		4,500		*

4/15/94
 12:39 pm
 Table: Deltai.db
 Report: 3

FY95/FY96 INTEGRATED EM PRIORITY LIST
 PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads# Act	Workspoe Desc	Priority RL Grnbly	Justification	(\$,000) FY 95	(\$,000) FY 96	FY95 P FY96 P
1240- -	Prepare HLW Process	B1 5	facility configuration concepts, process/product control, and confinement systems. This supports conceptual design and impacts TPA milestone M-51-03-T01. Delay of 2 years if not funded. Perform trade studies on size and type of waste package (canister, cask, etc.), TRU waste disposal options, melter system options, facility configuration concepts, process/product control, and confinement systems. This supports conceptual design and impacts TPA milestone M-51-03-T01. Delay of 2 years if not funded.	2,500		*
1240- -	Prepare Waste Form Description Documentation	B1 5	Determine acceptability of waste form to the repository. Supports conceptual design of the facility, TPA milestone M-51-03-T01. Delay of 2 years if not funded.		400	*
1240- -	Prepare Waste Form Description Documentation	B1 5	Determine acceptability of waste form to the repository. Supports conceptual design of the facility, TPA milestone M-51-03-T01. Delay of 2 years if not funded.	200		*
1240- -	Select Melter Candidates and Perform HLW Melter Testing and Evaluation	B1 5	Conduct testing including vendor testing, evaluation, and development as candidates for the HLW vitrification facility. Vendor testing includes benchscale melters for selection of 2 melter systems for further testing. This testing is necessary to select the reference melter in 1998 as required by TPA interim milestone M-51-02. Delay of 3 years if not funded.		434	*
1240- -	Select Melter Candidates and Perform HLW Melter Testing and Evaluation	B1 5	Conduct testing including vendor testing, evaluation, and development as candidates for the HLW vitrification facility. Vendor testing includes benchscale melters for selection of 2 melter systems for further testing. This testing is necessary to select the reference melter in 1998 as required by TPA interim milestone M-51-02. Delay of 3 years if not funded.	5,200		*
2220-1-	WRAP 1 (W-026)	B1 2	This add'l funding will provide for preparation of the facility administrative configuration control. This level of funding is insufficient to support increasing staff levels to start-up the TRU line.		1,650	*
2230-1-	WRAP 2A (W-100)	B1 3	At this funding level, efforts to Privatize Mixed Waste treatment are fully supported. If Privatization is unsuccessful resumption of the project is funded in FY97 at \$40M dollars, however, the project is delayed 20 months. The project funding is reduced assuming Privatization is successful in meeting the requirements of the M-19-00 milestone.		8,500	*
2300-0-	34 ility 2nd Containment/Leak	B1 2	Provides for engineering to support FY 97 Line Item for replacement	380		*

FY95/FY96 INTEGRATED EM PRIORITY LIST
PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads#	Act	Workscopoe Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	FY95 P	FY96 P
		Detection (Project W-302)			of the 300 Area Radiation Process Sewer and 340 Facility. Impacts: Non-compliance with WAC/RCRA for tank systems secondary containment and leak detection requirements. Possible fines or shutdown causing closure of 300 Area Facilities including labs and delaying TWRS TPA milestones associated with core sampling and safety investigations.				
2300-1-		Phase II BAT/AKART (Project W-252)	B1	1	Continues project support and initiates construction of Phase II streams BAT/AKART implementation for Tank Farms, B-Plant, and 284-E Powerplant to meet Oct 97 M-17 milestone. Impact: TPA M-17-00B milestone would be missed.	500		*	
2320-2-		h-Project W-259, T Plant Secondary Containment and Leak Detection	B1	2	Complete Advanced CDR, initiate Definitive Design and permitting. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.	300		*	
2320-2-		h-Project W-259, T Plant Secondary Containment and Leak Detection	B1	2	Complete Advanced CDR, initiate Definitive Design and permitting. If adequate funding is not provided in the FYs requested, TPA milestone M-32-03 will not be completed on time, and this will result in T Plant's RCRA Part A Permit status for the Treatment, Storage, and Disposal of waste being revoked, and subsequently T Plant's Part B permit application will be jeopardized.		38		*
3020-	-	RCRA Closures	B1	1	Per the TPA and the MCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the MCP.		1,940		*
3020-	-	RCRA Closures	B1	1	Support NOD and RCRA Closure Plan preparation compliant to TPA M-20. If not funded, major TPA milestones will be missed.	2,537			*
3020-	-	Rcra Closures 183-H	B1	1	Support final stabilization of the 183-H Basin in accordance with regulator agreements. If not funded, stabilization will be deferred and penalties will be assessed for violation of environmental laws.	3,909			*
3100-	-	100-DR-1 Remediation	B1	1	Per the TPA and the MCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the MCP.		2,248		*
3100-	-	100-DR-1 Remediation	B1	1	Receive IROD 3/94 M-16	780			*
3105-	-	100-BC-1 Remediation	B1	1	Per the TPA and the MCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the MCP.		13,206		*
3105-	-	100-BC-1 Remediation	B1	1	Receive IROD from regulators 5/95 M-16	1,296			*

4/15/94
 12:39 pm
 Table: Deltai.db
 Report: 3

FY95/FY96 INTEGRATED EM PRIORITY LIST
 PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads# Act	Workscopoe Desc	Priority		Justification	(\$,000)	(\$,000)		
		RL	Grmbly		FY 95	FY 96	FY95 P	FY96 P
3105- -	100-BC-2 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.		(133)		*
3120- -	100-HR-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.		(1,051)		*
3120- -	100-HR-1 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.	1,468			*
3120- -	100-HR-2 Remediation	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.		1,046		*
3300- -	300-FF-2 Assessment	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.		2,125		*
3300- -	300-FF-2 Assessment	B1	1	Per the TPA and the NCP RD/RA are to start 15 months after a IROD/ROD is reached. RL will be subject to fines and penalties by not acting in accordance to the spirit and intent of the TPA and the NCP.	2,237			*
3700- -	Disposal Facility	B1	1	Provide operational ER Disposal Facility (ERDF) on 9/30/96.		7,076		*
3700- -	Disposal Facility	B1	1	Provide operational ER Disposal Facility (ERDF) on 9/30/96.	2,978			*
3700- -	Disposal Facility	B1	1	Required to meet TPA milestone M-70-00, to provide an operational ER Disposal Facility (ERDF) on 9/30/96.	5,022			*
4110-0-	K Basins TPA Reponse Actions	B1	1	The TPA enforceable milestone (M-34-00) of treatment and disposal of the contaminated water in 105 KE spent fuel basin will not be met. This could result in citizen suits against RL and WMC as demonstrated by legal actions taken by Heart of America in 1993. EPA has also identified that the environmental insult from groundwater from 105 KE Basin is compromising the remediation of the 100-KR-4 Operable Work Unit.	1,400			*
4110-0-	KE Encapsulation	B1	1	Failure to encapsulate the fuel in K East Basin will allow fuel degradation to continue unchecked, in direct contact with the basin water. This, in turn, will increase the sludge inventory and continually add radioactive contaminates to the water. Evaporation then emits contaminates to the atmosphere through gaseous effluent discharges. Failure to encapsulate fuel will directly impact the ability to meet TPA milestone M-34-00.	7,801			*
4110-0-	KE/KW Essential Systems Upgrade	B1	2	If not funded, the seismic problems identified during an RL	5,056			*

Sub Ads# Act	Workscpoe Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	FY95 P FY96 P
			surveillance will not be corrected. The security system maintenance problems and costs will continue to increase due to antiquated systems and unavailability of spare parts. Fire protections risks will increase, particularly in the fuel storage basins; where property loss due to a fire would be several million dollars and could be accompanied by release of on-site contamination.			
4110-0-	KE/KW Essential Systems Upgrade	B1 2	If not funded, the seismic problems identified during an RL surveillance will not be corrected. The security system maintenance problems and costs will continue to increase due to antiquated systems and unavailability of spare parts. Fire protections risks will increase, particularly in the fuel storage basins; where property loss due to a fire would be several million dollars and could be accompanied by release of on-site contamination.		1,639	*
4110-0-	S/RIDS - K Basins	B1 2	Provide documentation of adherence to standard records control.	99		*
6622-0-	PUREX UO3 Deactivation	B1 4	If not funded, the reductions to utility systems and N cell deactivation in FY 95 could not be restored. This would also impact deactivation of ancillary buildings and preparation of the documentation package required for turn over the MSFP. Failure to fund these tasks would likely impact the overall deactivation schedule by six months with an increased surveillance and maintenance cost of aprpx. \$20M.		100	*
6622-0-	PUREX UO3 Deactivation	B1 4	If unfunded, PUREX deactivation activities would be phased out and the project placed on hold, resulting in a 15 month delay in completion. Add'l surveillance and maintenance costs of aprpx. \$35M per year would be incurred, as well as incremental costs to rehire and retrain staff. Liquid wastes at PUREX do not meet all regulatory requirements for continued storage. Failure to continue rapid progress on the Deactivation project could result in enforcement actions by regulatory agencies.	600		*
7100-0-	m-LIMS development/implementation	B1 1	The Laboratory Information System (LIMS) is required to replace the outdated system at 222-S and provide new systems for 325 and WSCF. This project is currently ongoing with continued implementation of new features and functionality through systems configuration and development activities. An add'l \$1.1M in FY 1995 and \$1.1M in FY 1996 is funded by the TWRS Characterization ADS 1130.	1,700		*
7100-0-	n-222-S Laboratory Facility Renovations	B1 1	Capacity upgrades are required to support at the ready-to-serve level. Room renovations are an ongoing program with at least four	2,300		*

4/15/94
 12:39 pm
 Table: Delta1.db
 Report: 3

FY95/FY96 INTEGRATED EM PRIORITY LIST
 PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads# Act	Workscpoe Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	FY95 P	FY96 P
			room renovations planned per year to maintain the capability of the Laboratory to support the long term mission. The target level funds three rooms in FY 1995.				
7100-0-	o-325 Facility Renovations	B1 1	Capacity upgrades required to support at the ready-to-serve level. An add'l \$1.7M in FY 1995 is funded by the TWRS Characterization ADS 1130. Renovate add'l square footage of the Radiochemistry Laboratory Suite and the Inorganic Analysis Laboratory Suite. Failure to receive the funding to continue the renovation of these laboratory areas will leave the ACL with a reduced analytical capacity from that which was originally available. This is due to the fact that the renovations will be interrupted mid-way through the process and the laboratory will be left in a state of partial completion.	1,500			*
7100-2-	j-W-087 Radioactive Liquid Waste Line Replacement	B1 2	This project will replace the radioactive waste drain piping from the hot cells in 222-S to 219-S and provide a new transfer route from 219-S to the tank farms. This project is required to support the Part B permit for the 222-S facility and the TPA milestone M-32.		100		*
7100-2-	j-W-087 Radioactive Liquid Waste Line Replacement	B1 2	This project will replace the radioactive waste drain piping from the hot cells in 222-S to 219-S and provide a new transfer route from 219-S to the tank farms. This project is required to support the Part B permit for the 222-S facility and the TPA milestone M-32.	500			*
7330- -	Tri-Party Agreement Integration	B1 2	Supports Tri-Party Agreement Milestone Managers for programs.		384		*
7330- -	Tri-Party Agreement Integration	B1 2	Supports Tri-Party Agreement Milestone Managers for programs.	400			*
7340-0-AC	Groundwater Monitoring	B1 2	Samples collected and analyzed in support of RCRA, SDWA, CSW, and 40CFR265 requirements/Noncompliance will place GW and public at risk	1,900			*
7340-0-AD	Groundwater Well Maintenance/Decommissioning	B1 2	Well must be maintained for groundwater monitoring, 40CFR265/Without wells, GW monitoring does not function	1,300			*
7340-0-BA	Effluent and Environmental Monitoring 200/600	B1 2	Clean Air Act, 40CFR61/Reporting requirements would be noncompliant and an unsafe practice if not performed	500			*
7340-0-BB	Inactive Crib Monitoring (Vadose Zone)	B1 2	Monitors vadose zone for contamination spread/Expensive core sampling	1,000			*
7340-1-AG	Groundwater Well Drilling Support	B1 2	Technical support to GW well planning/Noncompliance with TPA	600			*
8400-0-AA	Refrigerant Replacement program	B1 2	Regulatory requirement to phase out the use of regulated refrigerants. If not funded, fines may result from violations of environmental laws.	155			*
8400-0-BB	Cultural Resources Management	B1 2	Regulatory requirement for protection of Hanford Site historical and Native American cultural resources. If not funded, would result in continuing the current acti to perform cultural resource reviews		475		*

FY95/FY96 INTEGRATED EM PRIORITY LIST
 PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads#	Act	Workspoe Desc	Priority RL	Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	FY95 P	FY96 P
					In piecemeal fashion.				
8400-0-BB		Cultural Resources Management	B1	2	Regulatory requirement for protection of Hanford Site historical and Native American cultural resources. If not funded, would result in continuing the current activity to perform cultural resource reviews in piecemeal fashion.	86		*	
8400-0-CA		Public Safety and Resource Protection Program	B1	2	Independent assessment of the impacts of Hanford on the environment and the public. Monitors air, vegetation, wildlife, Columbia River, etc., and prepares Hanford Site Environmental Report; provides meteorological/climatological services, samples and analyzes groundwater. Provides dosimetry coordination, analytical support services, Native American interaction, NEPA Characterization, a grant to Nature Conservancy, and public/educational outreach activities. Failure to fund would eliminate annual report which is used by RL, contractors, compliance organizations, and the public as baseline information on Hanford environmental status.	2,900		*	
8400-0-EA		RMW Storage Tank Inspection (PNL)	B1	1	Regulatory compliance for inspection of highly radioactive storage tanks. If not funded, tank integrity cannot be demonstrated, leaks may not be stopped, and the potential for release of radioactive material to the environment may increase.	1,368		*	
8400-0-KA		Pollution Prevention Program	B1	2	Regulatory requirement for pollution prevention program. If not funded, the RCRA hazardous waste manifest cannot be approved resulting in the inability to ship hazardous and radioactive mixed waste to disposal/storage facilities.	465		*	
					Sub Total for RL Priority B1	123,131	143,535		
8400-0-BA		Standards/Requirements Identification Documents (S/RIDs)	D1	2	DNFSB recommendation to assess compliance with all standards/regulations. If not funded, audit findings may result.		1,089		*
					Sub Total for RL Priority D1	0	1,089		
6602-	-	Economic Transition	F1			3,720		*	
6625-0-		PFP SAS Upgrades	F1	2	Upgrades will result in Vault Safeguards and Security Systems that are necessary to comply with DOE Orders. Failure to fund the SAS Upgrades will result in non-compliant Safeguards and Security Systems	51		*	

4/15/94
 12:39 pm
 Table: Delta1.db
 Report: 3

FY95/FY96 INTEGRATED EM PRIORITY LIST
 PRODUCTIVITY COMMITMENT BY RL PRIORITY

Sub Ads# Act	Workspoe Desc	Priority RL Grmbly	Justification	(\$,000) FY 95	(\$,000) FY 96	FY95 P	FY96 P

due to equipment failures and lack of maintainable equipment.							

	Sub Total for RL Priority F1	3,771	0
	Grand Total	161,972	154,389

**THIS PAGE INTENTIONALLY
LEFT BLANK**