

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oakland**

Site Summary Level: **Separations Process Research Unit**

Project **OK-043 / SPRU**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0588**

General Project Information

Project Description Narratives

Purpose, Scope, and Technical Approach:

Purpose and Scope: The objective of the SPRU Remediation Project is the removal of radiological and hazardous contamination from the SPRU related portion of the Knoll Site, Knolls Atomic Power Laboratory, such that the SPRU site meets the criteria for release to unrestricted use. Areas to be decommissioned are Building G-2 including Process Areas and Process Cells; Building H-2 Waste Processing Area; Building H-2 Vaulted Tank Farm; G-2/H-2 Pipe Tunnel; pipe tunnel under Buildings E-1 and G-1; and ancillary Buildings K-5 and K-6. Areas to be remediated are the Railroad Staging Area, the Slurry Drum Storage Area, and the Lower Level Parking Lot.

Technical Approach: The objective of the SPRU Remediation project is to obtain regulatory release of the site to unrestricted use. Of the four basic decommissioning alternatives, the "Dismantlement" alternative is the one the Project will pursue. Dismantlement of the Facility includes removal of the SPRU structures, and remediation of the soil under/around the Facilities, as necessary, followed by release of the site to unrestricted use. To achieve the above objective, the following D&D strategy will be developed. Prior to the start of D&D, selected materials and equipment will be removed from all SPRU Facilities salvaged and/or packaged for disposal. External electrical lines will be supplied to the systems essential for SPRU Facilities operations as necessary to avoid interruption of service and hazards inside the Facilities. These systems included the HEPA blowers, the air compressors, and the outlets for portable lighting and electrical equipment. This preparation phase will be followed by decontamination and dismantlement activities. Contaminated systems will be removed, packaged, and shipped to a low-level radioactive waste, and a TRU waste disposal facility. Decontamination of the SPRU Facilities will be performed concurrently with systems removal activities. There will be two parallel tasks during dismantlement: one will be the decontamination and dismantlement of Building H-2 and the rooms surrounding the main Building G-2 structure and the other will be the decontamination of the ancillary buildings. Decontamination of Building H-2 and the rooms surrounding the main Building G-2 structure will include a variety of techniques; the predominant one will be abrasive cleaning. The underground vaults may present a unique challenge to the technical approach.

After the cells are decontaminated, dismantlement of the Buildings will start as the final decontamination of the remaining rooms in the Facilities are completed. The roofs of the buildings will then be removed, followed with the dismantlement of the remaining walls and slabs.

The radioactively contaminated debris will result in the generation of LLW, MLLW, TRU, and MTRU. The low level radioactively contaminated debris will be packaged and shipped to low-level radioactive waste disposal facilities with due regard for waste minimization where practical (Oakland Site Technology Need No. 14). MLLW will be similarly addressed. TRU and MTRU will be packaged for disposal at WIPP. Hazardous materials will be disposed of at a licensed hazardous waste depository. The remaining noncontaminated debris will be shipped to local landfills.

After the Facilities are dismantled, the affected soils will be remediated. Radiologically contaminated soil will either be shipped to an off-site or temporary processing facility or shipped directly to the appropriate facilities for waste disposal. Soils contaminated with chemicals will be managed in accordance with RCRA Corrective Action process. Groundwater contaminated with hazardous constituents (radiological and/or chemicals) will be remediated in accordance with local, state, and federal regulations.

Following removal of all contamination, both chemical and radiological, a comprehensive final survey will be independently conducted, documented

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

Page 1 of 12

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oakland**

Site Summary Level: **Separations Process Research Unit**

Project **OK-043 / SPRU**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0588**

Project Description Narratives

and submitted to the DOE with the objective of obtaining site release to unrestricted use.

Project Status in FY 2006:

By the year 2006, it is anticipated the SPRU site will have completed pre D&D surveillance and maintenance activities, performed all site and facility characterization activities, including the RCRA Facility Investigations, initiated interim corrective measures as required by the regulators, and initiated clean-up activities including decontamination and demolition tasks. activities.

Post-2006 Project Scope:

Post 2006 activities include the implementation of the Decommissioning Plan (clean-up of all facilities) and the remediation of all release sites, including groundwater. Post 2006 scope will also include the management of all generated waste streams.

Project End State

With a fourteen year funding profile, site release to unrestricted use is scheduled for 2014. All SPRU facilities will be demolished, release sites cleaned up and waste generated packaged and shipped to the appropriate facility for disposal.

Cost Baseline Comments:

The following major assumptions effect the SPRU baseline cost estimate:

- 1) NE-60 will relocate current users of SPRU buildings prior to D&D. This will also include removal of all equipment, furniture, hazardous materials, and any other material associated with current users.
- 2) NE-60 will provide for continued S&M of the SPRU facilities until such time as D&D is initiated and the EM D&D contractor has established local S&M for the facility.
- 3) NE-60 will continue site-wide environmental monitoring outside the bounds of SPRU.
- 4) EM will be responsible for obtaining all necessary federal, State, and local permits and licenses.
- 5) Waste handling and treatment may require construction of a temporary facility to handle and store waste prior to shipment.
- 6) D&D of the facilities will be done in compliance with the requirements of DOE Order 5400.5.
- 7) Contaminated soil will be removed and replaced with clean fill to the original grade.
- 8) Any costs provided by KAPL are not included.

Safety & Health Hazards:

Currently the project is in the surveillance and maintenance phase and the responsibility of KAPL. They are providing the S&H functions necessary to maintain a safe and compliant SPRU site.

However, extensive cleanup has been performed both by site personnel and by subcontractors in Buildings G-2 and H-2 SPRU. The work performed consisted of: (1) removal of gross contamination from accessible floor and equipment surfaces; (2) isolation of process lines; (3) removal of loose equipment and debris; (4) removal of liquid and sludge from process tanks; (5) packaging and shipment of contaminated waste for off-site disposal. The waste contained Curie quantities of plutonium and mixed fission products, leaving loose and fixed contaminated residues on the floor, walls, overhead pipes, process tanks, and inside the process pipes, tanks, and equipment. Major isotopes remaining in the Facilities are alpha emitting

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

Page 2 of 12

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oakland**

Site Summary Level: **Separations Process Research Unit**

Project **OK-043 / SPRU**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0588**

Project Description Narratives

radionuclides of uranium and plutonium and long lived beta-gamma mixed fission products; principally Sr-Y90 and Cs137. Quantities of loose and fixed contamination are estimated at 100 mCi and 50-100 Ci.

In addition, the soil near Buildings H-2 and G-2 is contaminated. Records have indicated radiation levels of 25 mrem/hr gamma and 150 mrem/hr beta.

The contamination poses a potential radiological hazard to workers. In addition, there are safety concerns with the aging process (deterioration) of existing equipment and the buildings which could result in exposure of workers and the environment to contamination. In the characterization and D&D phase of the project, typical hazards will involve safety hazards related to building decontamination and demolition and soil remediation activities.

Safety & Health Work Performance:

Prior to the start of an activity, workers will be required to read and understand applicable OSPs, FSPs, SOPs and O&M manuals. All required training must be current. During the course of the activity, frequent safety meetings will be required in which the adequacy of safety controls are reviewed and any unforeseen S&H hazards are identified and mechanisms to manage such hazards are developed. The SPRU Restoration Project will have on staff a Site Safety Officer, Training Coordinator, and a Quality Assurance Implementation Coordinator. These specialists will monitor safety and health activities. Other S&H resources that will be available through the institution which is maintained via overhead funds (i.e. industrial hygienists, health physicists, safety team members, fire protection, etc).

PBS Comments:

Failure to initiate a D&D program for this facility will result in increasing S&M costs as the structure ages. There is considerable interest on the part of the State and the Public in the DOE's plan to D&D SPRU.

There is no detectable effect on river water quality as a result of past operations. Groundwater is not used as a drinking water supply or located by any principal aquifers. Therefore, the groundwater associated with the Knolls Site does not pose any significant threat to public health or to the environment.

The extent of contamination at the SPRU site is largely unknown at this time.

Baseline Validation Narrative:

This project will be reviewed internally by DOE/OAK. The DOE/OAK Cost Estimating Group will review the projects cost baseline on a yearly basis. The validation will involve a review of baseline documentation prepared by the D&D contractor. The validation review will involve a review of the consistency, traceability, and reasonableness of costs. Therefore, the sources, methods, and assumptions used in deriving costs will be evaluated. In addition, indirect costs, escalation, and contingency will be reviewed to ensure their proper application. Baseline estimates will be reviewed to determine how resources are assigned to activities within the schedule. The goal of this step is to assess whether resources and costs are assigned to activities in a reasonable and consistent fashion. The findings of the validation are discussed with the projects contractor so that adjustments can be made.

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

Page 3 of 12

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oakland**

Site Summary Level: **Separations Process Research Unit**

Project **OK-043 / SPRU**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0588**

General PBS Information

Project Validated? **Date Validated:**
Has Headquarters reviewed and approved project? No
Date Project was Added: 12/1/1997
Baseline Submission Date: 7/13/1999
FEDPLAN Project? No

Drivers:	CERCLA	RCRA	DNFSB	AEA	UMTRCA	State	DOE Orders	Other
	N	Y	N	N	N	Y	Y	N

Project Identification Information

DOE Project Manager: James A. Davis, III
DOE Project Manager Phone Number: 510-637-1634
DOE Project Manager Fax Number: 510-637-2078
DOE Project Manager e-mail address: james.davisIII@oak.doe.gov
Is this a High Visibility Project (Y/N):

Planning Section

Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006
PBS Baseline (current year dollars)	43,950	197,887	241,837						500	3,000	5,300	5,950	9,300	9,500	10,400
PBS Baseline (constant 1999 dollars)	39,351	155,235	194,586						487	2,861	4,951	5,443	8,333	8,337	8,939
PBS EM Baseline (current year dollars)	43,950	197,887	241,837						500	3,000	5,300	5,950	9,300	9,500	10,400

Dataset Name: **FY 1999 Planning Data**

Page 4 of 12

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Oakland**

Print Date: **3/9/2000**

Site Summary Level: **Separations Process Research Unit**

HQ ID: **0588**

Project **OK-043 / SPRU**

Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006	
	2007	2008	2009	2010	2011- 2015	2016- 2020	2021- 2025	2026- 2030	2031- 2035	2036- 2040	2041- 2045	2046- 2050	2051- 2055	2056- 2060	2061- 2065	2066- 2070
PBS EM Baseline (constant 1999 dollars)	39,351	155,235	194,586						487	2,861	4,951	5,443	8,333	8,337	8,939	
PBS Baseline (current year dollars)	15,166	35,202	35,240	31,594	80,685	0	0	0	0	0	0	0	0	0	0	0
PBS Baseline (constant 1999 dollars)	12,768	29,026	28,460	24,991	59,990	0	0	0	0	0	0	0	0	0	0	0
PBS EM Baseline (current year dollars)	15,166	35,202	35,240	31,594	80,685	0	0	0	0	0	0	0	0	0	0	0
PBS EM Baseline (constant 1999 dollars)	12,768	29,026	28,460	24,991	59,990	0	0	0	0	0	0	0	0	0	0	0

Baseline Escalation Rates

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
			2.70%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%
2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%

Project Reconciliation

Project Completion Date Changes:

Dataset Name: **FY 1999 Planning Data**

Page 5 of 12

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**
 Operations/Field Office: **Oakland**
 Site Summary Level: **Separations Process Research Unit**
 Project **OK-043 / SPRU**

Report Number: **GEN-01b**
 Print Date: **3/9/2000**
 HQ ID: **0588**

Project Reconciliation

Previously Projected End Date of Project: 9/1/2014
 Current Projected End Date of Project: 9/30/2014
 Explanation of Project Completion Date Difference (if applicable):

Project Cost Estimates (in thousands of dollars)

Previously Estimated Lifecycle Cost (1997 - 2070, 1998 Dollars):	182,749	Actual 1997 Cost:	Actual 1998 Cost:
Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):	182,749	Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):	4,934
Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	187,683		

Project Cost Changes

	Cost Adjustments	Reconciliation Narratives
Cost Change Due to Scope Deletions (-):		
Cost Reductions Due to Efficiencies (-):		
Cost Associated with New Scope (+):		
Cost Growth Associated with Scope Previously Reported (+):	6,903	Early D&D work has been delayed, but outyear work is accelerated so the project end date is the same
Cost Reductions Due to Science & Technology Efficiencies (-):		
Subtotal:	194,586	
Additional Amount to Reconcile (+):	0	
Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	194,586	

Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
Project Start	SP-SPRU-1		1/3/2000								
Project Mission Complete	SP-SPRU-2		9/30/2014								

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Oakland**

Print Date: **3/9/2000**

Site Summary Level: **Separations Process Research Unit**

HQ ID: **0588**

Project **OK-043 / SPRU**

Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
Begin Site and Facility Characterization, Radiological	SP-SPRU-5		10/1/2002								
Begin RCRA Facility Investigation Activities	SP-SPRU-3		10/1/2002								
Complete Site and Facility Characterization, Radiological	SP-SPRU-4		9/30/2004								
Complete RCRA Facility Investigation Activities and Issue the SPRU Site RFI Report	SP-SPRU-6		11/1/2005								
Begin Waste Disposal Activities			10/1/2007								
Complete Waste Disposal Activities			9/30/2014								
Begin Corrective Measures (Groundwater) Implementation Activities			10/1/2007								
Complete Corrective Measures (Groundwater) Implementation Activities			9/30/2014								
Complete Release Site 1, SWMU-036, Former k-6 storage Facility			9/30/2014								
Complete Release Site 2, SWMU-040, K-5 Retention Basin			9/30/2014								
Complete Release Site 3, AOC-003, Lower Level Parking Lot			9/30/2014								
Complete Release Site 4, SPRU Site			9/30/2014								
Complete Release Site 5, SWMU-035, Former Slurry Drum Staging Area			9/30/2014								
Complete Release Site 6, SWUM-053, Industrial Drain System			9/30/2014								
Complete Release Site 7, SWMU-037, Former K7 Storage Pad			9/30/2014								
Complete Release Site 8, SWMU-038, Railroad Staging Area			9/30/2014								

Dataset Name: **FY 1999 Planning Data**

Page 7 of 12

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Oakland**

Print Date: **3/9/2000**

Site Summary Level: **Separations Process Research Unit**

HQ ID: **0588**

Project **OK-043 / SPRU**

Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
Complete D&D of Building G2			9/30/2014								
Complete D&D of Building H2, SWMU-030			9/30/2014								
Complete D&D of Pipe Tunnels, SWMU-057			9/30/2010								
Complete D&D of Tank 527, SWMU-058			9/30/2011								
Complete D&D of Tank 531, SWMU-059			9/30/2011								
Complete D&D of Tank 532, SWMU-060			9/30/2011								
Complete D&D of Tank 534, SWMU-061			9/30/2011								
Complete D&D of Tank 551, SWMU-062			9/30/2011								
Complete D&D of Tank 536, SWMU-063			9/30/2011								
Complete D&D of Tank 316, SWMU-064			9/30/2011								
Complete D&D of H2 Tank Farm, SWMU-031			9/30/2011								
Complete NEPA Determination for the SPRU Clean up Project			9/29/2005								
Prepare, Obtain Approval, and Implement a Health and Safety Program for SPRU			9/30/2002								
Prepare, Obtain Approval, and Implement a Health & Safety Program for Phases 2 & 3 of the SPRU Proje			10/1/2007								
Start D&D of Building G2			10/3/2005								
Start D&D of Building H2, SWMU-030			10/3/2005								
Start Site Remediation Activities			10/1/2007								
			10/1/2007								

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
--------------------	----------------------	-------------------	-----------------------	---------------	-------------	------------------	-----------	-----------------	----------------	-----------	-----------------------

Dataset Name: **FY 1999 Planning Data**

Page 8 of 12

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Oakland**

Site Summary Level: **Separations Process Research Unit**

Project **OK-043 / SPRU**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0588**

Project Start	SP-SPRU-1	Y	Y			3	3	3
Project Mission Complete	SP-SPRU-2	Y		Y	Y	3	3	3
Begin Site and Facility Characterization, Radiological	SP-SPRU-5	Y				3	3	3
Begin RCRA Facility Investigation Activities	SP-SPRU-3	Y				3	3	3
Complete Site and Facility Characterization, Radiological	SP-SPRU-4	Y				3	3	3
Complete RCRA Facility Investigation Activities and Issue the SPRU Site RFI Report	SP-SPRU-6	Y				3	3	3
Begin Waste Disposal Activities		Y				3	3	3
Complete Waste Disposal Activities		Y				3	3	3
Begin Corrective Measures (Groundwater) Implementation Activities		Y				3	3	3
Complete Corrective Measures (Groundwater) Implementation Activities		Y				3	3	3
Complete Release Site 1, SWMU- 036, Former k-6 storage Facility		Y				3	3	3
Complete Release Site 2, SWMU- 040, K-5 Retention Basin		Y				3	3	3
Complete Release Site 3, AOC- 003, Lower Level Parking Lot		Y				3	3	3
Complete Release Site 4, SPRU Site		Y				3	3	3
Complete Release Site 5, SWMU- 035, Former Slurry Drum Staging Area		Y				3	3	4
Complete Release Site 6, SWUM-						3	3	3

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Oakland**

Print Date: **3/9/2000**

Site Summary Level: **Separations Process Research Unit**

HQ ID: **0588**

Project **OK-043 / SPRU**

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
053, Industrial Drain System											
Complete Release Site 7, SWMU-037, Former K7 Storage Pad			Y				3	3	3		
Complete Release Site 8, SWMU-038, Railroad Staging Area			Y				3	3	3		
Complete D&D of Building G2			Y				3	3	3		
Complete D&D of Building H2, SWMU-030			Y				3	3	3		
Complete D&D of Pipe Tunnels, SWMU-057			Y				3	3	3		
Complete D&D of Tank 527, SWMU-058			Y				3	3	3		
Complete D&D of Tank 531, SWMU-059			Y				3	3	3		
Complete D&D of Tank 532, SWMU-060			Y				3	3	3		
Complete D&D of Tank 534, SWMU-061			Y				3	3	3		
Complete D&D of Tank 551, SWMU-062			Y				3	3	3		
Complete D&D of Tank 536, SWMU-063			Y				3	3	3		
Complete D&D of Tank 316, SWMU-064			Y				3	3	3		
Complete D&D of H2 Tank Farm, SWMU-031			Y				3	3	3		
Complete NEPA Determination for the SPRU Clean up Project			Y				3	3	3		

Dataset Name: **FY 1999 Planning Data**

Page 10 of 12

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Oakland**

Print Date: **3/9/2000**

Site Summary Level: **Separations Process Research Unit**

HQ ID: **0588**

Project **OK-043 / SPRU**

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
Prepare, Obtain Approval, and Implement a Health and Safety Program for SPRU			Y				3	3	3		
Prepare, Obtain Approval, and Implement a Health & Safety Program for Phases 2 & 3 of the SPRU Proje			Y				3	3	3	Y	
Start D&D of Building G2			Y				3	3	3		
Start D&D of Building H2, SWMU-030			Y				3	3	3		
Start Site Remediation Activities			Y				3	3	3		
										Y	

Performance Measure Metrics

Category/Subcategory	Units	1997-2006 Total	2007-2070 Total	1997-2070 Total	Actual Pre-1997	Planned 1997	Actual 1997	Planned 1998	Planned 1999	Planned 2000	Planned 2001	Planned 2002	Planned 2003	Planned 2004
TRU														
Storage	M3							0.00	0.00	0.00	0.00	0.00	0.00	0.00
TRU														
Ship. to WIPP	M3	0.00	50.00	50.00										
Rem. Waste														
Disposed	M3	0.00	8,290.00	8,290.00								0.00	0.00	0.00
Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035	

Dataset Name: **FY 1999 Planning Data**

Page 11 of 12

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Oakland**

Print Date: **3/9/2000**

Site Summary Level: **Separations Process Research Unit**

HQ ID: **0588**

Project **OK-043 / SPRU**

Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035
TRU													
Storage	M3	0.00	0.00	0.00	9.90	13.20	16.50	20.00	0.00	0.00	0.00	0.00	0.00
TRU													
Ship. to WIPP Rem. Waste	M3								50.00				
Disposed	M3	0.00	0.00	0.00	1,085.00	995.00	315.00	510.00	5,385.00				
Category/Subcategory	Units	Planned 2036 - 2040	Planned 2041 - 2045	Planned 2046 - 2050	Planned 2051 - 2055	Planned 2056 - 2060	Planned 2061 - 2035	Planned 2066 - 2070	Exceptions	Lifecycle Total			
TRU													
Storage	M3	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
TRU													
Ship. to WIPP Rem. Waste	M3									50.00			
Disposed	M3									8,290.00			