

**Comprehensive Site Profile (Sum-8)****Savannah River Site - Most Current Actual Data**

Data Sources: Facility Information Management System - November 2003
EM Corporate - FY 2001 Update
Pollution Prevention - 2002
Materials in Inventory - 1996

Hazard Category Group *	Reported Number of Facilities
Radiological	98
Chemical Hazard	17
Radiological & Chemical Hazard	5
Not Applicable	1,051
No Information Provided	0
Total	1,203

* For the purposes of the CID, facilities with a "Radiological" Hazard Category Group are broadly defined to include those facilities that meet the definition for either Nuclear Facility Category 1, Nuclear Facility Category 2, Nuclear Facility Category 3, or Radiological Facility as defined in DOE Standard 1027-92. Facilities with a "Chemical Hazard" Hazard Category Group are those that contain quantities of chemicals that exceed the threshold quantity for those chemicals as defined by OSHA's Chemical Process Safety regulation 29 CFR 1910.119, Appendix A. Facilities with a "Radiological and Chemical Hazard" Hazard Category Group are those that meet the Radiological and Chemical Hazard definition. The Hazard Category Group of "Not Applicable" refers to facilities that do not meet either the Radiological or Chemical Hazard definition. "No Information Provided" is listed for a facility when no information pertaining to the Hazard Category Group is available.

Radioactive Waste Summary - 2000 Actual Data

Waste Type	Starting Inventory (m3)*	Reporting Period Additions (m3)*			Reporting Period Disposition Quantity (m3)*			Ending Inventory (m3)
		New	Process Outputs	Receipts	Treatment	Disposal	Other	
High Level Waste	123,176.0000	12,936.000	2,013.000	0.000	671.000	0.000	13,826.000	137,206.00
High Level Waste-Vitrified	719.0000	0.000	231.000	0.000	0.000	0.000	0.000	950.00
Low Level Waste	15,478.8470	7,650.880	10,010.160	45.070	4,042.280	7,134.910	14,120.000	12,828.02
Mixed Low Level Waste	2,176.8000	106.800	0.310	0.000	12.270	0.000	13.900	2,240.61
Transuranic Waste	10,788.6000	60.330	0.000	0.000	0.000	0.000	44.000	10,848.95

The management activity of "Other" is calculated by adding the values for NPDES discharges, recycling, other processing, and return to remediation unit.

Material balance may not be reflected in some CID reports for 1999 and 2000 data because inventory adjustments have been incorporated in the Ending Inventories.

* For Vitrified HLW, quantities are shown in "Number of HLW Canisters."

HLW generation data in the CID includes waste volumes that are incidental to the reprocessing of HLW.

Ex-Situ Contaminated Media Summary - 2000 Actual Data

Waste Type	Starting Inventory (m3)*	Reporting Period Additions (m3)*	Reporting Period Dispositions (m3)*			Ending Inventory (m3)*
			Treatment	Disposal	Other	
Low Level Waste	0.0000	5,692.200	0.000	5,165.200	0.000	527.0000

The management activity of "Other" is calculated by adding the values for NPDES discharges, recycling, other processing, and return to remediation unit.

Material balance may not be reflected in some CID reports for 1999 and 2000 data because inventory adjustments have been incorporated in the Ending Inventories.

HLW generation data in the CID includes waste volumes that are incidental to the reprocessing of HLW.

Reported quantities do not include Groundwater or Wastewater.

Spent Nuclear Fuel Summary - 2000 Actual Data

Material	SNF Amount to be Managed (MTHM)***				SNF Disposition Activity (MTHM)***			
	Starting Inventory	On-Site Generation	Off-Site Receipts	Total	On-Site Treatment	Ship to other DOE Site for Management/Storage	Ship for Final Disposition	Total
Spent Nuclear Fuel	46.6300	0.0000	0.3650	46.9950	14.3110	0.0000	0.0000	14.3110

*** SNF amounts are reported in metric tons of heavy metal (MTHM)

Mass is not conserved (ie. Total SNF Amount to be Managed and Total SNF Final Disposition are not equal) because this report presents data for only one year in the stream lifecycle". The difference between Total SNF to Be Managed and Total SNF Final Disposition is the ending inventory for the current year shown on the report.

In-Situ Contaminated Media Summary - 2000 Actual Data

Waste Type	Reporting Year Management Strategy (m3)				Reporting Year Total Volume (m3)
	In-Situ Treatment	In-Situ Containment	Access/ Institutional Controls	No Action	
Low Level Waste	431,770.00	898,576.00	115,753.00	0.00	1,446,099.00
Mixed Low Level Waste	25,001.00	0.00	0.00	0.00	25,001.00
Transuranic Waste	24.70	4,870.00	0.00	0.00	4,894.70

Reported quantities do not include Groundwater or Wastewater.

HLW generation data in the CID includes waste volumes that are incidental to the reprocessing of HLW.

Non-Radioactive Hazardous Waste

Classification	Waste Type	Amount (Metric Tons)
Hazardous	Non Routine RCRA	41.90
	Routine RCRA	18.50
	Non Routine State	0.00
	Routine State	0.00
	Non Routine TSCA	0.60
	Routine TSCA	0.00
Sanitary	Non Routine	5,276.20
	Routine	1,380.00
Total		6,717.20

Materials in Inventory (1996 Information Only)

Material Name	Material Category	Material Volume
Weapons Components	Weapons Components	15,500.00 Pieces
Misc. ferrous metal & furniture	Scrap Metal and Equipment	39.14 Tons
Cm	Plutonium	0.00 Kilograms
Am-241	Plutonium	0.00 Kilograms
Lead	Lead	217,282.00 Kilograms
Lead	Lead	106.00 Kilograms
Research, Comerial, foreign, experimental, etc.	Spent Nuclear Fuel	206,096.00 Kilograms
Np-237	Plutonium	0.00 Kilograms
Thorium	Plutonium	0.00 Kilograms
Am-243	Plutonium	0.00 Kilograms
Plutonium	Plutonium	1,800.00 Kilograms
U-233>20%	Plutonium	31.10 Kilograms
Low Enriched Uranium	Natural & Enriched Uranium	95,000.00 Kilograms
Depleted Uranium	Depleted Uranium	112,000.00 Kilograms
Low Enriched Uranium	Natural & Enriched Uranium	12,000.00 Kilograms

Normal Uranium	Natural & Enriched Uranium	36,000.00 Kilograms
Depleted Uranium	Depleted Uranium	26,000.00 Kilograms
Virgin Lithium	Lithium	567.00 Kilograms
Highly Enriched Uranium	Natural & Enriched Uranium	22,000.00 Kilograms
Strategic Lithium (6Li)	Lithium	431.00 Kilograms
Stainless Steel	Scrap Metal and Equipment	1.00 Tons
Copper	Scrap Metal and Equipment	1.80 Tons
Aluminum	Scrap Metal and Equipment	2.35 Tons
Copper	Scrap Metal and Equipment	12.00 Tons
Carbon Steel	Scrap Metal and Equipment	10,000.00 Tons
Aluminum	Scrap Metal and Equipment	15.00 Tons
Stainless Steel	Scrap Metal and Equipment	10,000.00 Tons
Gold	Scrap Metal and Equipment	4.00 Troy Ounces
Rhodium	Scrap Metal and Equipment	37.49 Troy Ounces
Gold	Scrap Metal and Equipment	26.00 Troy Ounces
Rhodium	Scrap Metal and Equipment	3,495.97 Troy Ounces

Palladium	Scrap Metal and Equipment	3,671.29 Troy Ounces
Platinum	Scrap Metal and Equipment	140.70 Troy Ounces
Silver	Scrap Metal and Equipment	339.00 Troy Ounces
Indium	Scrap Metal and Equipment	68.29 Troy Ounces
Misc. (Ruthenium)	Scrap Metal and Equipment	1,365.00 Troy Ounces
Depleted Uranium	Depleted Uranium	2,779,000.00 Kilograms
Deuterium	Plutonium	1,003,000.00 Kilograms
Depleted Uranium	Depleted Uranium	9,426,000.00 Kilograms
Platinum	Scrap Metal and Equipment	33.00 Troy Ounces