

**Comprehensive Site Profile (Sum-8)****Argonne National Laboratory - West - Most Current Actual Data**

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

Facility Status	Reported Number of Facilities
Operating	2
Operational Standby	0
Shutdown Pending Transfer	0
Shutdown Pending D&D	0
D&D in Progress	0
Operating Pending D&D	7
Operating Under an Outgrant	0
Transfer to Another Federal Agency	0
Sale	0
Demolished	0
Deactivation	0
Shutdown Pending Disposal	0
No Information Provided	0
Total	9

Hazard Category Group *	Reported Number of Facilities
Radiological	23
Chemical Hazard	4
Radiological & Chemical Hazard	6
Not Applicable	58
No Information Provided	0
Total	93

* 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	
Low Level Waste	253.5600	621.380	0.000	0.000	0.000	425.380	0.000	0.00
Mixed Low Level Waste	0.1000	2.500	0.000	0.000	0.000	2.500	0.000	226.20
Transuranic Waste	1.2200	1.420	0.000	0.000	1.120	0.000	0.000	60.90

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	2.200	0.000	2.200	0.000	0.0000

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	22.3000	0.0000	0.0000	22.3000	0.2000	0.0000	0.0000	0.2000

*** 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	13,947.00	0.00	0.00	0.00	13,947.00
Mixed Low Level Waste	152.00	0.00	0.00	0.00	152.00

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	0.21
	Routine RCRA	0.88
	Non Routine State	0.00
	Routine State	0.00
	Non Routine TSCA	2.62
	Routine TSCA	0.19
Sanitary	Non Routine	233.59
	Routine	165.40
Total		402.89

Materials in Inventory (1996 Information Only)

Material Name	Material Category	Material Volume
Am-241	Plutonium	0.16 Kilograms
Thorium	Plutonium	161.00 Kilograms
Plutonium	Plutonium	0.00 Kilograms
Thorium	Plutonium	1,798.00 Kilograms
Plutonium	Plutonium	0.00 Kilograms
Lead	Lead	17,871.00 Kilograms
Am-241	Plutonium	0.01 Kilograms
Plutonium (RL)	Plutonium	0.00 Kilograms
Spent Fuel	Spent Nuclear Fuel	28,180.00 Kilograms
Low Enriched Uranium	Natural & Enriched Uranium	94.00 Kilograms
Normal Uranium	Natural & Enriched Uranium	1,286.00 Kilograms
Unirradiated Oxides (1)	Depleted Uranium	34,127.00 Kilograms
Unirradiated Metal (2)	Depleted Uranium	2,083.00 Kilograms
Unirradiated Metal (1)	Depleted Uranium	156,575.00 Kilograms
Unirradiated Oxides (2)	Depleted Uranium	19.00 Kilograms

Unirradiated Metal (4)	Depleted Uranium	3,027.00 Kilograms
Lead	Lead	11,945.00 Kilograms
NaK	Sodium	330.00 Gallons
Sodium	Sodium	87,024.00 Gallons
Sodium	Sodium	4,500.00 Gallons
NaK	Sodium	124.00 Gallons
Normal Uranium	Natural & Enriched Uranium	11.00 Kilograms
Highly Enriched Uranium	Natural & Enriched Uranium	500.00 Kilograms
Low Enriched Uranium	Natural & Enriched Uranium	917.00 Kilograms
Low Enriched Uranium (RL)	Natural & Enriched Uranium	11.00 Kilograms
Highly Enriched Uranium	Natural & Enriched Uranium	0.00 Kilograms
Highly Enriched Uranium	Natural & Enriched Uranium	0.00 Kilograms
Miscellaneous	Scrap Metal and Equipment	18.00 Tons