

Site (Data) : SRS

Stock of waste as at December 2008

Country: UNITED STATES OF AMERICA

Reporting Year: 2008

Site Name: SRS

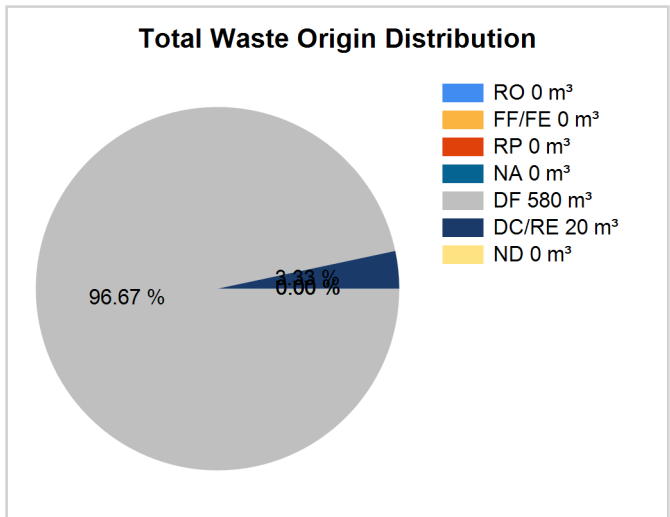
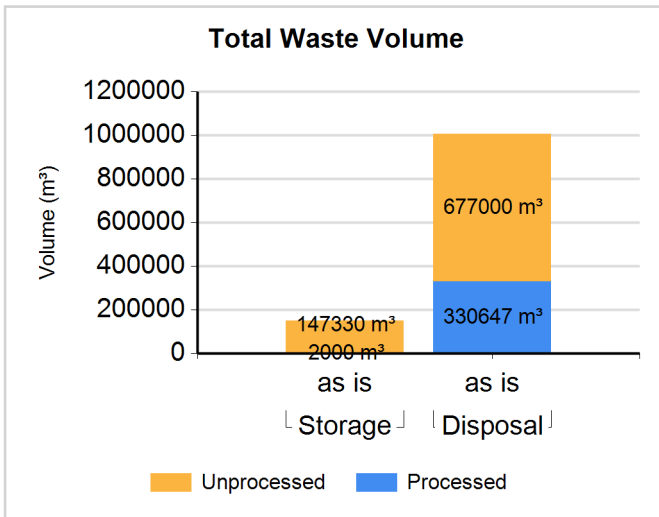
Full Name: Savannah River Site

Inventory Reporting Date: December 2008

Waste Matrix Used: USDOE

Waste Inventory

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

Site (Data) : SRS

Stock of waste as at December 2008

Country: UNITED STATES OF AMERICA

Reporting Year: 2008

Waste Class: HLW

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m ³) | Volume "as dispo" (m ³) | RO % | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|----------------------|------|------|----------------------------------|-------------------------------------|------|---------|------|------|--------|---------|------|
| HLW | Storage / GlassStore | Y | N | 2000.000 | 2000.000 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 |
| HLW | Storage / HLW Tanks | N | N | 140000.000 | 140000.000 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 |

Comment **# 7312: Vitrified HLW**Vitrified HLW is in over 2,600 canisters, based on a nominal 0.74 m³ per canister (inside waste fill).**Waste Class: TRU**

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m ³) | Volume "as dispo" (m ³) | RO % | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|---------------------|------|------|----------------------------------|-------------------------------------|------|---------|------|------|--------|---------|------|
| TRU | Storage / E-AreaFac | N | N | 7330.000 | 7330.000 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 |

Waste Class: LLW

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m ³) | Volume "as dispo" (m ³) | RO % | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|-----------------------|------|------|----------------------------------|-------------------------------------|------|---------|------|------|--------|---------|------|
| LLW | Disposal / BurialGrd | N | Y | 677000.000 | 677000.000 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 |
| LLW | Disposal / E-AreaDisp | Y | Y | 304000.000 | 304000.000 | 0.00 | 0.00 | 0.00 | 0.00 | 80.00 | 20.00 | 0.00 |
| LLW | Disposal / Saltstone | Y | N | 26647.000 | 26647.000 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 |

Comment **# 7370: Savannah River Site**

The volume reported for E-Area is inclusive of all the waste disposed in the LAW vaults, ILW vaults, and trenches (reported since 1988). No breakdown was available. Old Burial Grounds number is historically disposed waste pre-1992 as reported in IDB Rev 9.

Processing - Treatment method(s)

| Method | Status | | | |
|----------------------|---------|-------------|---|---------------|
| | Planned | R&D program | Current practice method use over the last 5 years | Past Practice |
| Compaction | N | N | Same | N |
| Decontamination | N | N | Same | N |
| Evaporation | N | N | Same | N |
| Incineration | N | N | | Y |
| Size Reduction | Y | N | | N |
| Sludge washing | N | N | Same | N |
| Wastewater Treatment | N | N | Same | N |

Site (Data) : SRS

Stock of waste as at December 2008

Country: UNITED STATES OF AMERICA

Reporting Year: 2008

Processing - Conditioning method(s)

| Method | Status | | | |
|---------------|---------|-------------|---|---------------|
| | Planned | R&D program | Current practice method use over the last 5 years | Past Practice |
| Stabilization | N | N | Same | N |
| Vitrification | N | N | Same | N |