

Site (Data) : INL

Stock of waste as at December 2004

Country: UNITED STATES OF AMERICA

Reporting Year: 2004

Site Name: INL

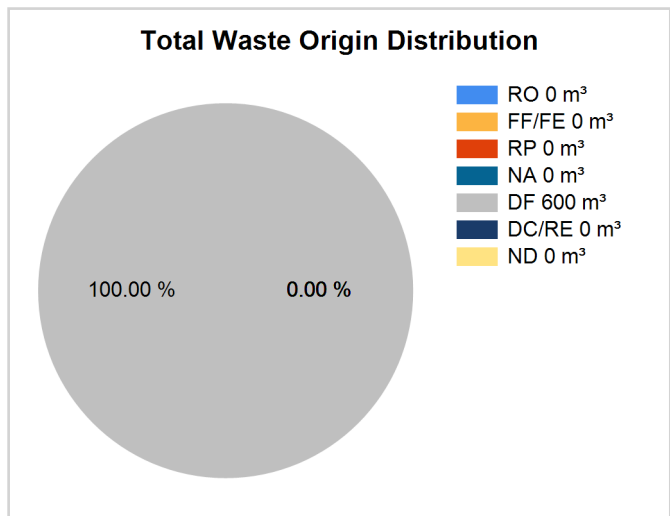
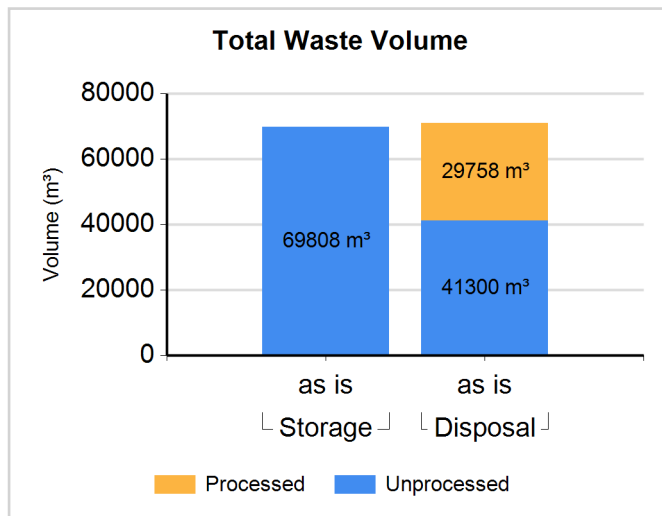
Full Name: Idaho National Laboratory

Inventory Reporting Date: December 2004

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.

Waste Class: HLW

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m³) | Volume "as dispo" (m³) | RO % | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|---------------------|------|------|---------------------|------------------------|------|---------|------|------|--------|---------|------|
| HLW (liquid) | Storage / INTEC | N | N | 3400.000 | 3400.000 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 |
| HLW (solid) | Storage / INTEC | N | N | 4400.000 | 4400.000 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 |

Waste Class: TRU

| Waste Class Name | Location / Facility | Proc | Est. | Volume "as is" (m³) | Volume "as dispo" (m³) | RO % | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|---------------------|------|------|---------------------|------------------------|------|---------|------|------|--------|---------|------|
| TRU | Storage / AMWTF | N | N | 61500.000 | 61500.000 | 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" (m³) | Volume "as dispo" (m³) | RO % | FF/FE % | RP % | NA % | DF % | DC/RE % | ND % |
|------------------|---------------------|------|------|---------------------|------------------------|------|---------|------|------|--------|---------|------|
| LLW | Storage / INTEC | N | Y | 508.000 | 508.000 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 |
| LLW | Disposal | N | N | 41300.000 | 41300.000 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 |
| LLW | Disposal | Y | N | 29758.000 | 29758.000 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 |

Comment # 7356: INL LLW reporting date

LLW inventories reported as of 6/30/2004

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Processing - Treatment method(s)

| Method | Status | | | |
|---------------------|---------|-------------|---|---------------|
| | Planned | R&D program | Current practice method use over the last 5 years | Past Practice |
| Calcination | N | N | | Y |
| Calcine Dissolution | Y | N | | N |
| Compaction | N | N | Same | N |
| Evaporation | N | N | Same | N |
| Size Reduction | N | N | Decrease | N |
| Super Compaction | N | N | Increase | N |

Processing - Conditioning method(s)

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