

Site (Data) : National

Stock of waste as at December 2004

Country: UNITED STATES OF AMERICA

Reporting Year: 2004

Site Name: National

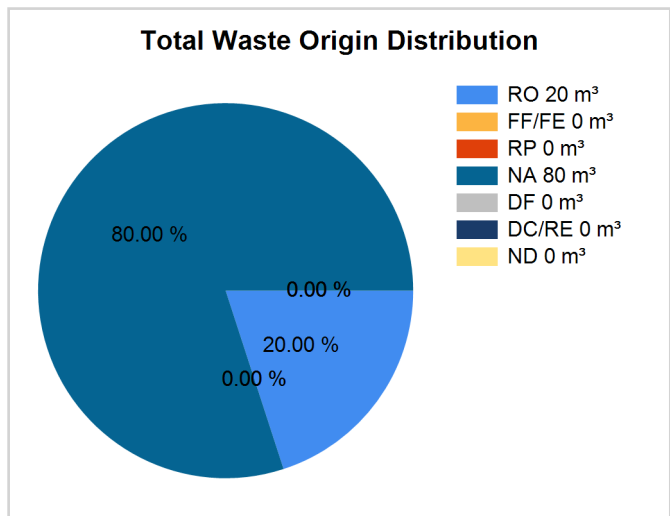
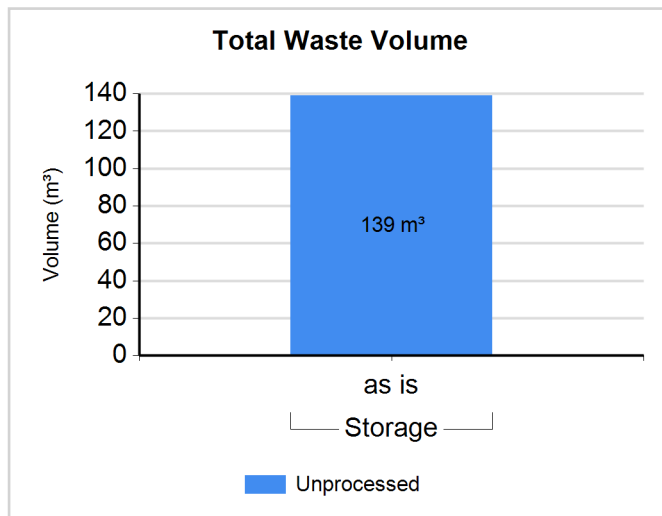
Full Name: Grouping of multiple licensees

Inventory Reporting Date: December 2004

Waste Matrix Used: USNRC

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: Greater than Class C 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 %
Greater than Class C LLW	Storage / GTCC	N	Y	139.000	139.000	20.00	0.00	0.00	80.00	0.00	0.00	0.00

Comment # 7378: GTCC in storage at commercial facilities

There is no recent inventory information available on GTCC waste in the US. Some GTCC waste is stored at commercial nuclear power plants or at sites with decommissioned nuclear power plants, such as Maine Yankee and Yankee Rowe plants. The "Final Environmental Impact Statement for a Geologic Repository for the Disposal of Spent Nuclear Fuel and High-Level Radioactive Waste at Yucca Mountain, Nye County, Nevada" includes the best available data (circa 1993) with an inventory of 139 m3 and a projected volume of 2,010 by 2035. The majority of the projected future inventory was associated with decommissioning of nuclear power plants so the projection is likely no longer valid with lifetime extensions and additional decommissioning experience. The 1993 volume is reported in NEWMDB.

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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
Amalgamation (of Mercury)	N	N	Same	N
Compaction	N	N	Same	N
Decontamination	N	N	Same	N
Evaporation	N	N	Same	N
Filtration	N	N	Same	N
Incineration	N	N	Same	N
Ion Exchange	N	N	Same	N
Shredding	N	N	Same	N
Size Reduction	N	N	Same	N
Super Compaction	N	N	Same	N
Thermal Treatment (non incineration)	N	N	Same	N
Water/Acid Washing	N	N	Same	N

Comment **# 7376: Represents all commercial firms across the USA**

The Low-Level Waste Forum, Inc., maintains a national directory of brokers and processors. These private concerns provide treatment, conditioning, and transportation services to generators of LLW and 11(e)2 waste. The listing of these services is found at www.bpdirectory.com. The data base, as of March 2004, contained 34 brokers and processors.

Processing - Conditioning method(s)

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

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