

Site (Data) : MORSLEBEN

Stock of waste as at December 2013

Country: GERMANY

Reporting Year: 2013

Site Name: MORSLEBEN

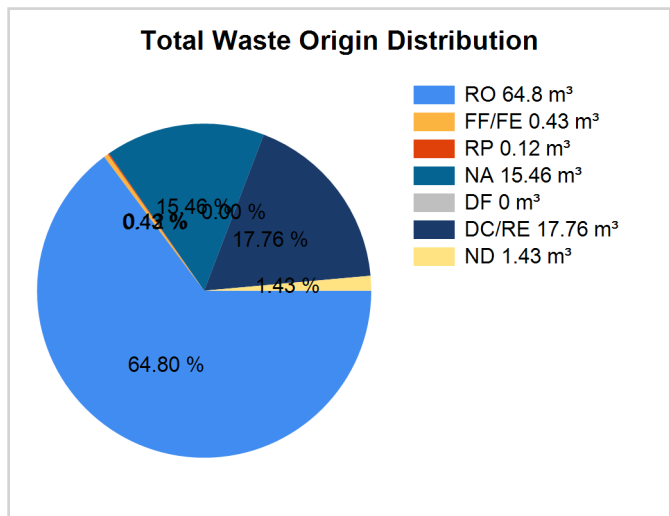
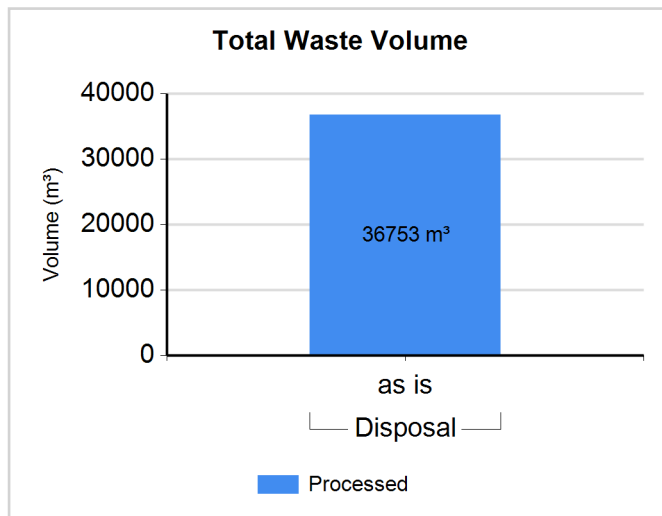
Full Name: Morsleben repository

Inventory Reporting Date: December 2013

Waste Matrix Used: GER

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: NHGW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
NHGW	Disposal	Y	N	36753.000	36753.000	64.80	0.43	0.12	15.46	0.00	17.76	1.43

RadioNuclide Inventory in Disposal

Total Alpha Activity (GBq):	472
Total Beta/Gamma Activity (GBq):	94787

RadioNuclide	Activity (GBq)
Americium (Am-241)	230
Antimony (Sb-125)	8.5
Cadmium (Cd-113m)	6.5
Carbon (C-14)	3200
Cesium (Cs-137)	63000
Cesium (Cs-134)	9.4
Chlorine (Cl-36)	3.9
Cobalt (Co-60)	5400

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Curium (Cm-244)	4.8
Europium (Eu-152)	210
Europium (Eu-155)	21
Europium (Eu-154)	190
Hydrogen (H-3)	2000
Iron (Fe-55)	140
Krypton (Kr-85)	210
Lead (Pb-210)	12
Nickel (Ni-59)	180
Nickel (Ni-63)	14000
Niobium (Nb-94)	27
Plutonium (Pu-240)	66
Plutonium (Pu-239)	69
Plutonium (Pu-238)	78
Plutonium (Pu-241)	900
Potassium (K-40)	23
Promethium (Pm-147)	11
Radium (Ra-226)	23
Samarium (Sm-151)	260
Silver (Ag-108m)	65
Strontium (Sr-90)	4800
Technetium (Tc-99)	100
Uranium (U-234)	1.1
Zirconium (Zr-93)	9.3