

Site (Data) : Olkiluoto

Stock of waste as at December 2009

Country: FINLAND

Reporting Year: 2009

Site Name: Olkiluoto

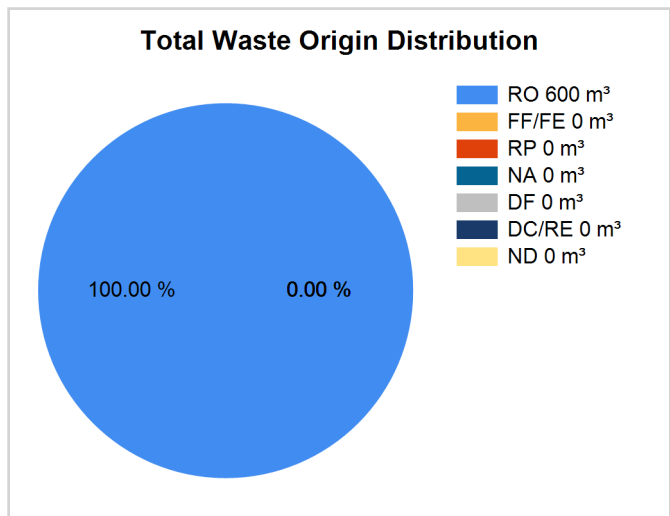
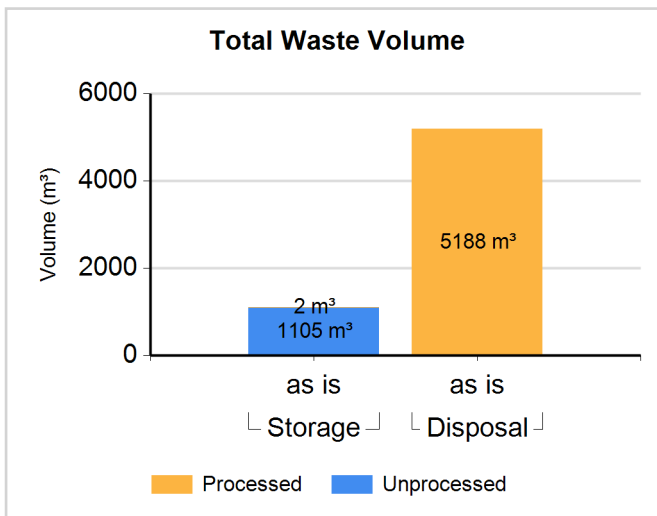
Full Name: Olkiluoto NPP

Inventory Reporting Date: December 2009

Waste Matrix Used: FIN_RADW

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: reactor waste

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
reactor waste	Storage / NPP-Area	N	Y	1052.000	1052.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
reactor waste	Storage / OL1	N	Y	27.000	27.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
reactor waste	Storage / OL1	Y	Y	2.000	2.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
reactor waste	Storage / OL2	N	Y	26.000	26.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
reactor waste	Disposal / VLJ-KAJ	Y	N	1767.000	1767.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
reactor waste	Disposal / VLJ-MAJ	Y	N	3421.000	3421.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Comment # 7176: The additional characteristics of the waste

Unprocessed: solid (non-dispersible)

Site (Data) : Olkiluoto

Stock of waste as at December 2009

Country: FINLAND

Reporting Year: 2009

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
Filtration	N	N	Same	N
Ion Exchange	N	N	Same	N
Segregation/Sorting	N	N	Same	N
Size Reduction	N	N	Same	N
Wastewater Treatment	N	N	Same	N

Processing - Conditioning method(s)

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

RadioNuclide Inventory in Disposal

RadioNuclide	Activity (GBq)
Americium (Am-241)	0.0698
Carbon (C-14)	244
Cesium (Cs-135)	0.029
Cesium (Cs-137)	7090
Cobalt (Co-60)	42300
Curium (Cm-244)	0.0857
Iodine (I-129)	0.0029
Nickel (Ni-63)	15400
Nickel (Ni-59)	83.9
Plutonium (Pu-239)	0.116
Plutonium (Pu-240)	0.199
Plutonium (Pu-238)	0.179
Strontium (Sr-90)	697
Technetium (Tc-99)	0.483