

Site (Data) : Paks

Stock of waste as at December 2009

Country: HUNGARY

Reporting Year: 2009

Site Name: Paks

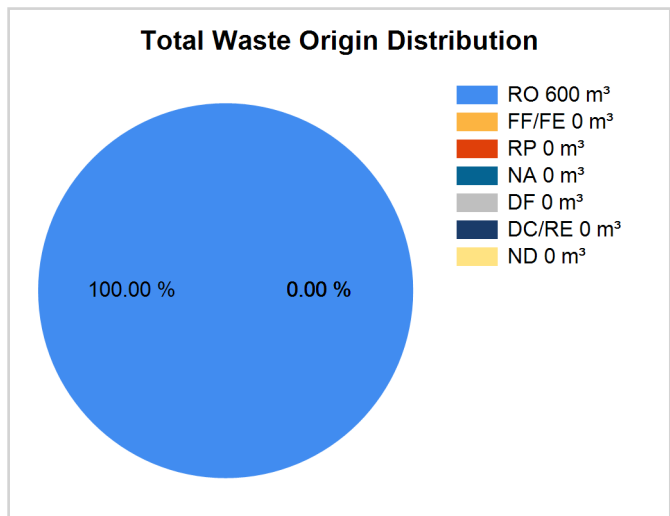
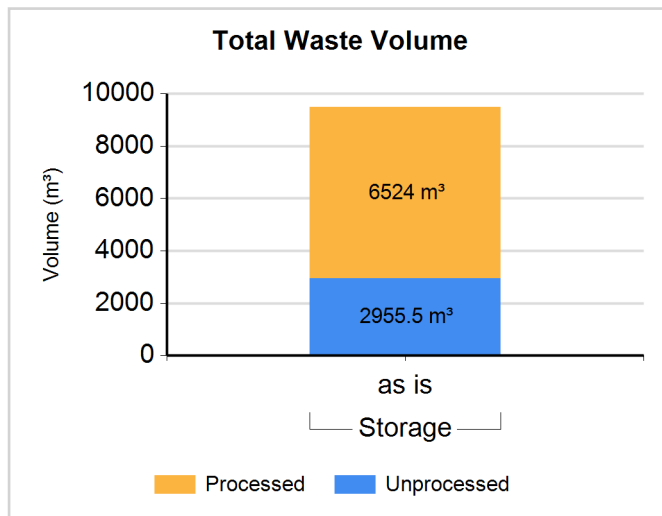
Full Name: Paks Nuclear Power Plant

Inventory Reporting Date: December 2009

Waste Matrix Used: Paks NPP

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: Solid_LL

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
Solid_LL	Storage	N	N	848.000	848.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Solid_LL	Storage	Y	N	839.000	839.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Waste Class: Solid_HL

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
Solid_HL	Storage	N	N	92.500	92.500	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Waste Class: Liquid_EC

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
Liquid_EC	Storage	Y	N	5685.000	5685.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Waste Class: Liquid_RE

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
Liquid_RE	Storage	N	N	156.000	156.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Waste Class: Liquid_O

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
Liquid_O	Storage	N	N	1859.000	1859.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

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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
Compaction	N	N	Same	N
Decontamination	N	N	Same	N
Evaporation	N	N	Same	N
Ion Exchange	N	N	Same	N
Wastewater Treatment	N	Y		N

RadioNuclide Inventory in Storage

RadioNuclide	Activity (GBq)
Americium (Am-241)	4160
Carbon (C-14)	1620
Cesium (Cs-137)	379000
Cesium (Cs-134)	79100
Cobalt (Co-60)	1470
Curium (Cm-244)	15700
Curium (Cm-242)	5.3
Hydrogen (H-3)	774
Iron (Fe-55)	57900
Nickel (Ni-63)	1150
Nickel (Ni-59)	30
Plutonium (Pu-239)	4110
Plutonium (Pu-238)	17000
Silver (Ag-110m)	9
Strontium (Sr-90)	245000
Technetium (Tc-99)	55
Uranium (U-238)	1.1
Uranium (U-235)	0.3
Uranium (U-234)	21