Site (Data) : Püspökszil

Stock of waste as at December 2004

Country: HUNGARY Reporting Year: 2004

Site Name: **Püspökszil**

Full Name: Püspökszilágy LILW Repository

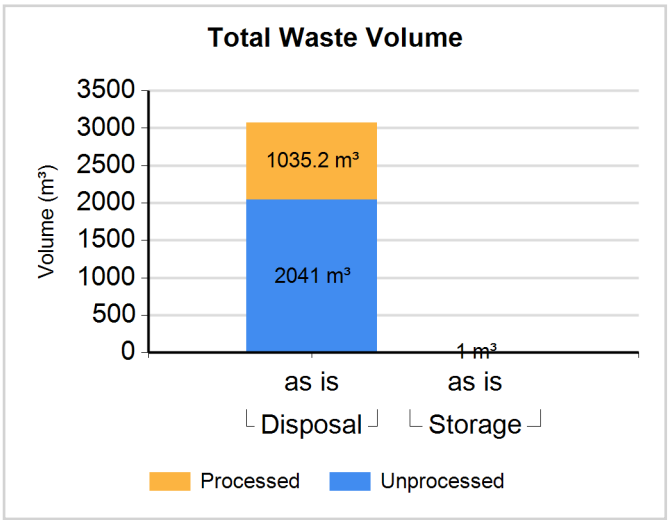
Inventory Reporting Date: December 2004 Waste Matrix Used: IAEA Def.

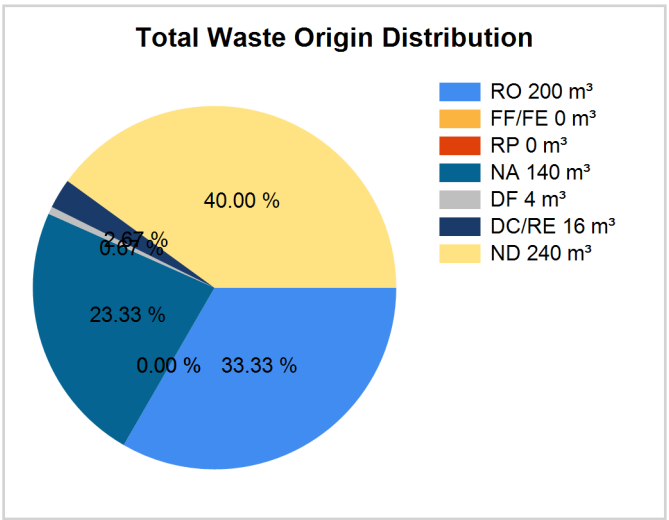
Comment **# 339: Percentage of Capacity Used**

The percentage of disposal facility capacity used takes in to consideration the volume of waste plus losses due to voids, buffer and backfill materials

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: **LILW-SL**

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LILW-SL	Disposal	N	N	824.000	824.000	20.00	0.00	0.00	20.00	2.00	8.00	50.00
LILW-SL	Disposal	Y	N	222.000	222.000	80.00	0.00	0.00	0.00	0.00	0.00	20.00

Waste Class: **LILW-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 %
LILW-LL	Storage	N	N	1.000	1.000	0.00	0.00	0.00	100.00	0.00	0.00	0.00
LILW-LL	Disposal	N	N	1217.000	1217.000	20.00	0.00	0.00	20.00	2.00	8.00	50.00
LILW-LL	Disposal	Y	N	813.000	813.000	80.00	0.00	0.00	0.00	0.00	0.00	20.00

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	Disposal	Y	N	0.200	0.200	0.00	0.00	0.00	0.00	0.00	0.00	100.00

Site (Data) : Püspökszil

Stock of waste as at December 2004

Country: HUNGARY Reporting Year: 2004

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

Processing - Conditioning method(s)

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

Site (Data) : Püspökszil

Stock of waste as at December 2004

Country: HUNGARY Reporting Year: 2004

Spent Sources <=30 years in Disposition

Nuclide	Number of Sources/Total Activity of Sources (GBq)			cond	uncond	cat	Total Activity for all Groups (GBq)	Decay Date
	Group I less than or equal 4GBq	Group II m ore than 4GBq but less than or equal 4E+4GBq	Group III more than 4E+4GBqq					
	num/activity	num/activity	num/activity					
Co-60	6245	682		Y	Y	N	6.631E+005	
	5.380E+001	6.630E+005						
Cs-137	2479			N	Y	N	9.180E+003	
	9.180E+003							
H-3		1871		Y	Y	N	2.290E+005	
		2.290E+005						
Ir-192	4142			Y	N	N	2.320E+003	
	2.320E+003							
Kr-85	6855			Y	Y	N	2.410E+002	
	2.410E+002							
Pm-147	708			N	Y	N	8.960E+001	
	8.960E+001							
Po-210	531			N	Y	N	4.570E+001	
	4.570E+001							
Sr-90		1274		Y	N	N	3.540E+004	
		3.540E+004						
Tm-170	117			N	Y	N	7.870E-004	
	7.870E-004							

Site (Data) : Püspökszil

Stock of waste as at December 2004

Country: HUNGARY Reporting Year: 2004

Spent Sources > 30 years in Disposition

Nuclide	Number of Sources/Total Activity of Sources (GBq)		cond	uncond	cat	Total Activity for all Groups (GBq)	Decay Date
	Group I less than or equal 2 GBq	Group II more than 2GBq					
	num/activity	num/activity					
Am-241	5506		N	Y	N	6.780E+003	
	6.780E+003						
Am-241		86	N	Y	N	6.240E+002	
		6.240E+002					
C-14		152	Y	N	N	5.350E+003	
		5.350E+003					
Pu-238		5	N	Y	N	7.660E+002	
		7.660E+002					
Pu-238	71		N	Y	N	1.070E+002	
	1.070E+002						
Pu-239	400	36	N	Y	N	2.793E+003	
	1.340E+001	2.780E+003					
Ra-226	1598		Y	N	N	1.620E+002	
	1.620E+002						
Ra-226		40	N	Y	N	1.540E+002	
		1.540E+002					
Tc-99	3091		N	Y	N	9.610E+000	
	9.610E+000						