

Site (Data) : Püspökszil

Stock of waste as at December 2006

Country: HUNGARY

Reporting Year: 2006

Site Name: Püspökszil

Full Name: Radioactive Waste Treatment and Disposal Facility

Inventory Reporting Date: December 2006

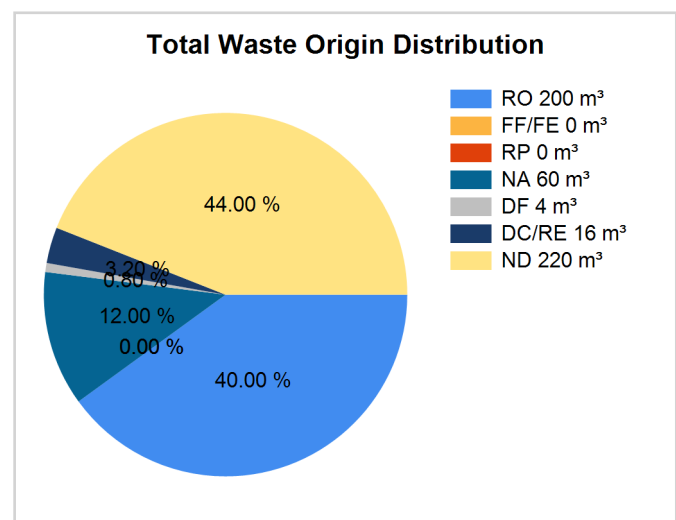
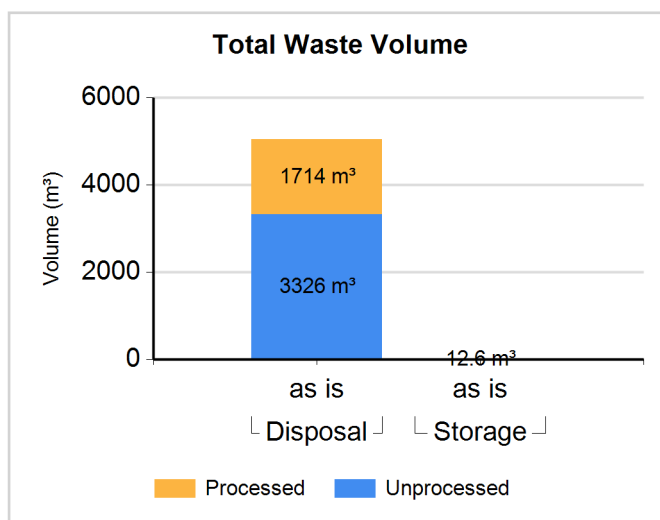
Waste Matrix Used: PURAM

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	1330.000	1330.000	20.00	0.00	0.00	20.00	2.00	8.00	50.00
LILW-SL	Disposal	Y	N	685.000	685.000	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	12.600	12.600	0.00	0.00	0.00	20.00	0.00	0.00	80.00
LILW-LL	Disposal	N	N	1996.000	1996.000	20.00	0.00	0.00	20.00	2.00	8.00	50.00
LILW-LL	Disposal	Y	N	1029.000	1029.000	80.00	0.00	0.00	0.00	0.00	0.00	20.00

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

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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

Spent Sources <=30 years in Disposition

Nuclide	Number of Sources/Total Activity of Sources (GBq)			c o n d	u n c o n d	c a t	Total Activity for all Groups (GBq)	Decay Date
	Group I less than or equal 4GBq	Group II more than 4GBq but less than or equal 4E+4GBq	Group III more than 4E+4GBq					
	num/activity	num/activity	num/activity					
Co-60	6971	447		Y	Y	N	5.085E+005	
	5.120E+002	5.080E+005						
Cs-137	2809	267		N	Y	N	1.450E+004	
	9.970E+002	1.350E+004						
H-3	1637	609		Y	Y	N	1.398E+005	
	8.440E+002	1.390E+005						
Ir-192	4558	90		Y	N	N	3.206E+003	
	1.260E+002	3.080E+003						
Kr-85	7164	3		Y	Y	N	1.187E+002	
	1.040E+002	1.470E+001						
Pm-147	713			N	Y	N	2.640E+001	
	2.640E+001							
Po-210	531			N	Y	N	5.050E-007	
	5.050E-007							
Sr-90	1274	64		Y	N	N	2.955E+004	
	2.480E+002	2.930E+004						
Tm-170	117			N	Y	N	4.000E-011	
	4.000E-011							

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Spent Sources > 30 years in Disposition

Nuclide	Number of Sources/Total Activity of Sources (GBq)		c o n d	u n c o n d	c a t	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	7056	63	N	Y	N	1.891E+003	
	2.210E+002	1.670E+003					
Am-241	54	66	N	Y	N	1.190E+004	
	1.030E+002	1.180E+004					
C-14	152		Y	N	N	1.020E+001	
	1.020E+001						
Pu-238	74	1	N	Y	N	1.160E+002	
	2.510E+001	9.090E+001					
Pu-238	3	3	N	Y	N	8.340E+002	
	1.030E+000	8.330E+002					
Pu-239	520	1	N	Y	N	1.229E+001	
	2.610E+000	9.680E+000					
Ra-226	1669	2	Y	N	N	4.320E+002	
	2.020E+002	2.300E+002					
Ra-226	29	12	N	Y	N	1.529E+002	
	3.790E+001	1.150E+002					
Tc-99	3091		N	Y	N	1.910E+002	
	1.910E+002						