

Site (Data) : NPP EBO

Stock of waste as at December 2006

Country: SLOVAKIA

Reporting Year: 2006

Site Name: NPP EBO

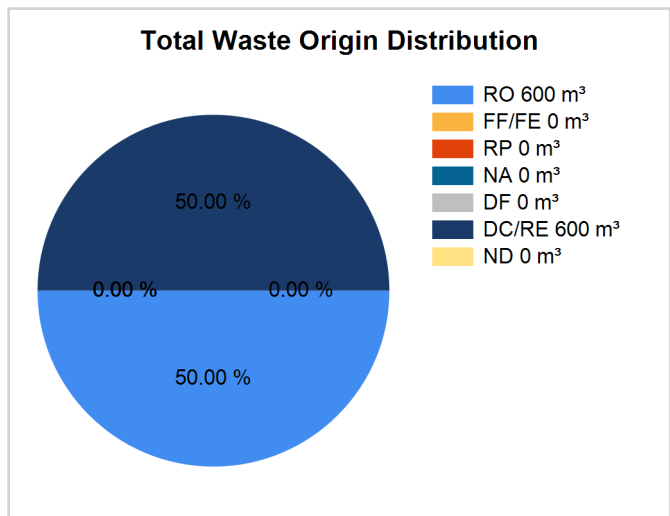
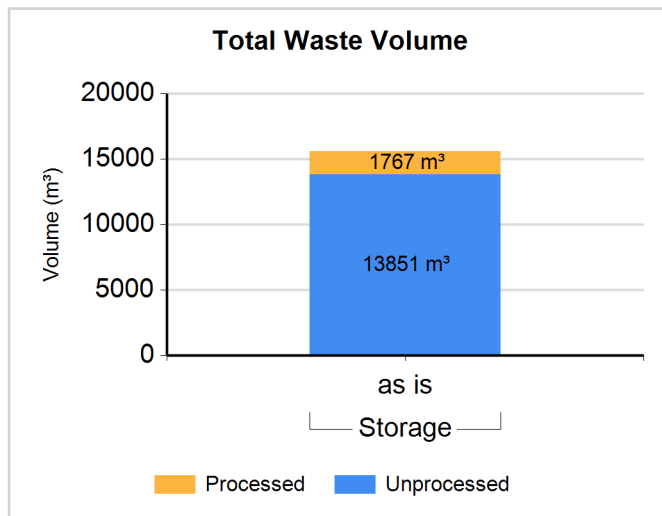
Full Name: NPP Jaslovske Bohunice

Inventory Reporting Date: December 2006

Waste Matrix Used: IAEA Def.

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 (liquid)	Storage / NPP A-1	N	N	388.000	388.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-SL (solid)	Storage / NPP A-1	N	Y	3480.000	3480.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-SL (solid)	Storage / NPP A-1	Y	Y	812.000	812.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-SL (liquid)	Storage / NPP V-1	N	N	2486.000	2486.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW-SL (solid)	Storage / NPP V-1	N	N	805.000	805.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW-SL (solid)	Storage / NPP V-1	Y	N	472.000	472.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW-SL (liquid)	Storage / NPP V-2	N	N	2677.000	2677.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW-SL (solid)	Storage / NPP V-2	N	N	1924.000	1924.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW-SL (solid)	Storage / NPP V-2	Y	N	77.000	77.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

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 (liquid)	Storage / NPP A-1	N	N	349.000	349.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-LL (solid)	Storage / NPP A-1	N	Y	1742.000	1742.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-LL (solid)	Storage / NPP A-1	Y	Y	406.000	406.000	0.00	0.00	0.00	0.00	0.00	100.00	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
Carbon Adsorption	N	N	Same	N
Chemical Precipitation	N	N		Y
Compaction	N	N	Decrease	N
Decontamination	N	N	Same	N
Evaporation	N	N	Same	N
Filtration	N	N	Same	N
Incineration	N	N	Increase	N
Ion Exchange	N	N	Decrease	N
Metal Melting	Y	N		N
Rinsing	N	N	Same	N
Size Reduction	N	N	Increase	N
Super Compaction	N	N	Increase	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
Cementation	N	N	Increase	N
Macroencapsulation	N	N	Same	N
Solidification	N	Y		N
Stabilization	N	Y		N
Vitrification	N	N	Same	N

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Spent Sources <=30 years in Storage

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	8			N	Y	N	1.770E-001	2005.11
	1.770E-001							
Co-60		1		N	Y	N	7.860E+003	2001.10
		7.860E+003						
Co-60	8			N	Y	N	1.043E+000	2003.09
	1.043E+000							
Cs-137	5			N	Y	N	1.033E+001	2003.09
	1.033E+001							
Cs-137	2			N	Y	N	1.240E+000	1987.02
	1.240E+000							
Cs-137	1			N	Y	N	2.200E-004	2005.02
	2.200E-004							
Cs-137	2			N	Y	N	4.880E-001	2006.03
	4.880E-001							
Kr-85	1			N	Y	N	1.850E+000	
	1.850E+000							
Sr-90	1			N	Y	N	3.900E-001	2005.05
	3.900E-001							
Sr-90	2			N	Y	N	1.000E-006	
	1.000E-006							
Sr-90	2			N	Y	N	9.880E-004	2003.09
	9.880E-004							

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Spent Sources > 30 years in Storage

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	1188		N	Y	N	1.429E+000	2002.04
	1.429E+000						
Am-241	329		N	Y	N	1.624E-002	2005.09
	1.624E-002						
Am-241	1		N	Y	N	1.184E-002	1972.03
	1.184E-002						
Am-241		2	N	Y	N	1.480E+001	1987.03
		1.480E+001					
Am-241	1		N	Y	N	3.500E-005	
	3.500E-005						
Ra-226	7		N	Y	N	2.380E-002	1979.07
	2.380E-002						
Ra-226	1		N	Y	N	3.700E-002	
	3.700E-002						