

Site (Data) : NPP EBO

Stock of waste as at December 2007

Country: SLOVAKIA

Reporting Year: 2007

Site Name: NPP EBO

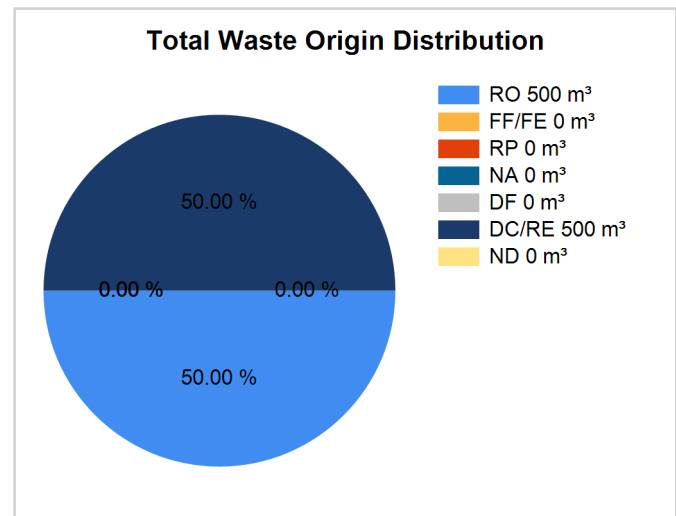
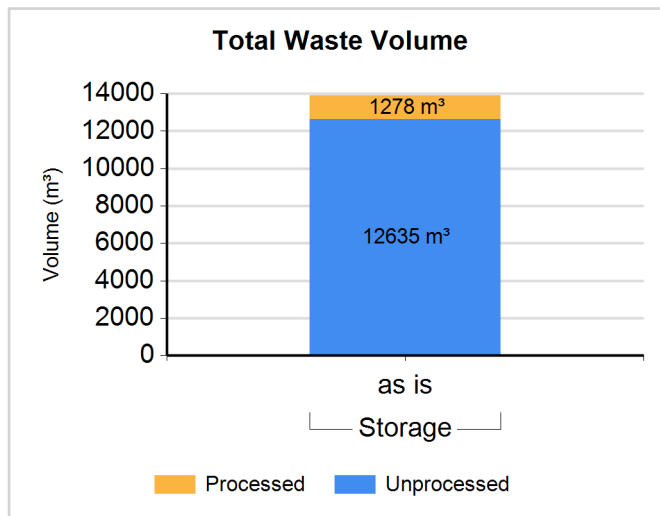
Full Name: NPP Jaslovske Bohunice

Inventory Reporting Date: December 2007

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	Y	302.000	302.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-SL (liquid)	Storage / NPP A-1	Y	Y	627.000	627.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-SL (solid)	Storage / NPP A-1	N	Y	5861.000	5861.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-SL (solid)	Storage / NPP A-1	Y	Y	616.000	616.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-SL (liquid)	Storage / NPP V-1	N	N	1936.000	1936.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW-SL (liquid)	Storage / NPP V-1	Y	N	6.000	6.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW-SL (solid)	Storage / NPP V-1	N	N	571.000	571.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW-SL (liquid)	Storage / NPP V-2	N	N	2030.000	2030.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW-SL (solid)	Storage / NPP V-2	N	N	1935.000	1935.000	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	Y	N	29.000	29.000	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

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		1		N	Y	N	7.900E+003	2001.10
		7.900E+003						

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Co-60	8			N	Y	N	1.000E+000	2003.09
	1.000E+000							
Co-60	8			N	Y	N	1.800E-001	2005.11
	1.800E-001							
Co-60	1			N	Y	N	2.300E-003	2007.01
	2.300E-003							
Co-60	1			N	Y	N	1.700E-003	2007.06
	1.700E-003							
Co-60	1			N	Y	N	2.000E-003	2007.06
	2.000E-003							
Co-60	1			N	Y	N	1.200E-004	2007.06
	1.200E-004							
Co-60	1			N	Y	N	2.900E-003	2007.09
	2.900E-003							
Co-60	1			N	Y	N	3.000E-001	2007.09
	3.000E-001							
Co-60	1			N	Y	N	1.200E-004	2007.10
	1.200E-004							
Co-60	1			N	Y	N	1.700E-001	2007.12
	1.700E-001							
Cs-137	1			N	Y	N	7.000E-002	2007.01
	7.000E-002							
Cs-137	1			N	Y	N	7.800E-003	2007.09
	7.800E-003							
Cs-137	2			N	Y	N	1.200E+000	1987.02
	1.200E+000							
Cs-137	1			N	Y	N	2.200E-004	2005.02
	2.200E-004							
Cs-137	5			N	Y	N	1.000E+001	2003.09
	1.000E+001							

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Cs-137	2			N	Y	N	4.900E-001	2006.03
	4.900E-001							
Kr-85	1			N	Y	N	1.900E+000	
	1.900E+000							
Sr-90	2			N	Y	N	9.900E-004	2003.09
	9.900E-004							
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							

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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	1.400E+000	2002.04
	1.400E+000						
Am-241	329		N	Y	N	1.600E-002	2005.09
	1.600E-002						
Am-241	1		N	Y	N	1.200E-002	1972.03
	1.200E-002						
Am-241		2	N	Y	N	1.500E+001	1987.03
		1.500E+001					
Am-241	1		N	Y	N	3.500E-005	
	3.500E-005						
Am-241	1		N	Y	N	1.700E-003	2007.09
	1.700E-003						
Ra-226	7		N	Y	N	2.400E-002	1979.07
	2.400E-002						
Ra-226	1		N	Y	N	3.700E-002	
	3.700E-002						
Ra-226	1		N	Y	N	2.400E-002	2007.01
	2.400E-002						
Th-232	1		N	Y	N	2.800E-005	2007.03
	2.800E-005						
U-238	1		N	Y	N	2.900E-004	2007.03
	2.900E-004						
U-238	1		N	Y	N	1.200E-003	2007.12
	1.200E-003						