

## Site (Data) : NPP EBO

Stock of waste as at December 2008

Country: SLOVAKIA

Reporting Year: 2008

Site Name: NPP EBO

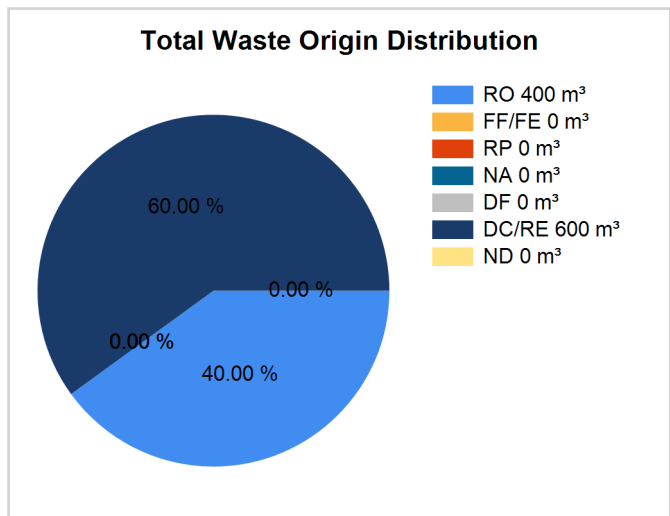
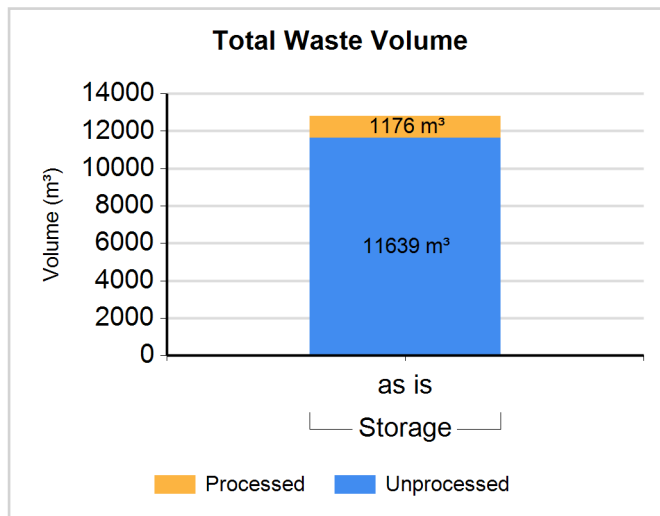
Full Name: NPP Jaslovske Bohunice

Inventory Reporting Date: December 2008

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	644.000	644.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-SL (liquid)	Storage / NPP A-1	Y	Y	668.000	668.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-SL (solid)	Storage / NPP A-1	N	Y	6483.000	6483.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-SL (solid)	Storage / NPP A-1	Y	Y	500.000	500.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-SL (liquid)	Storage / NPP V-1	N	N	889.000	889.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW-SL (solid)	Storage / NPP V-1	N	N	366.000	366.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW-SL (liquid)	Storage / NPP V-2	N	N	1936.000	1936.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
LILW-SL (solid)	Storage / NPP V-2	N	N	1283.000	1283.000	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	38.000	38.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
LILW-LL (liquid)	Storage / NPP A-1	Y	N	8.000	8.000	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	Decrease	N
Cementation	N	N	Increase	N
Macroencapsulation	N	N	Same	N
Solidification	N	Y		N
Stabilization	N	Y		N
Vitrification	N	N	Suspended	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	8			N	Y	N	1.000E+000	2003.09
	1.000E+000							

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Co-60	8			N	Y	N	1.800E-001	2005.11
	1.800E-001							
Co-60	4			N	Y	N	4.400E-001	1984.04
	4.400E-001							
Co-60	6			N	Y	N	1.000E-001	2006.03
	1.000E-001							
Cs-137	1			N	Y	N	7.800E-003	2007.06
	7.800E-003							
Cs-137	1			N	Y	N	3.000E-001	2007.07
	3.000E-001							
Cs-137	3			N	Y	N	1.000E+001	2003.09
	1.000E+001							
Cs-137	1			N	Y	N	2.000E+000	2006.02
	2.000E+000							
Cs-137	2			N	Y	N	4.900E-001	2006.03
	4.900E-001							
Cs-137	1			N	Y	N	7.000E-002	2007.02
	7.000E-002							
Cs-137	1			N	Y	N	2.000E-003	2005.02
	2.000E-003							
Kr-85	1			N	Y	N	1.900E-002	2006.11
	1.900E-002							
Sr-90	2			N	Y	N	6.000E-007	1963.01
	6.000E-007							
Sr-90	4			N	Y	N	2.100E+000	2005.05
	2.100E+000							

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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	1		N	Y	N	1.100E-002	1972.03
	1.100E-002						
Am-241	7		N	Y	N	1.300E-005	2005.09
	1.300E-005						
Ra-226	1		N	Y	N	3.700E-002	1973.12
	3.700E-002						
Ra-226	7		N	Y	N	1.100E+001	1984.12
	1.100E+001						