

Site (Data) : KNPP

Stock of waste as at December 2012

Country: BULGARIA

Reporting Year: 2012

Site Name: KNPP

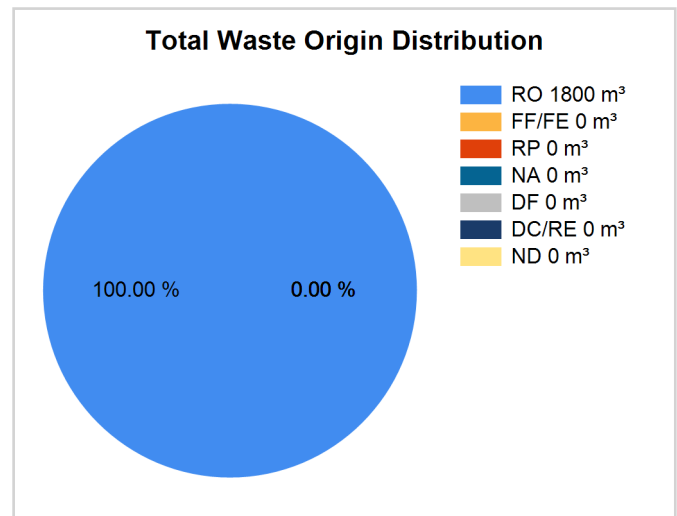
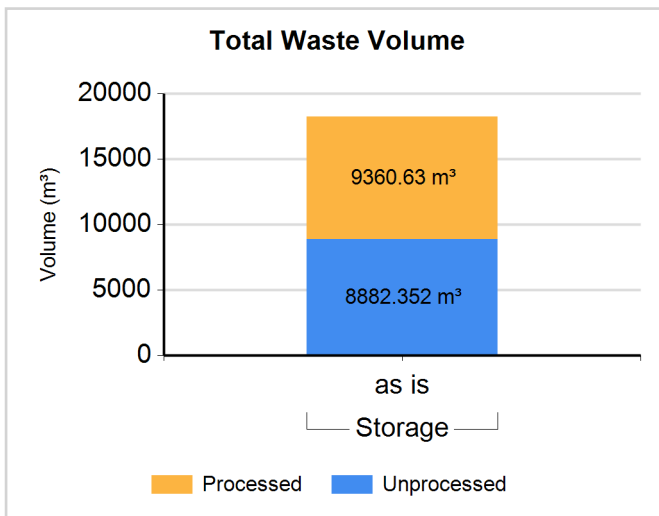
Full Name: Kozloduy NPP

Inventory Reporting Date: December 2012

Waste Matrix Used: NPP

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.

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Waste Class: Solid-1&2

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m ³)	Volume "as dispo" (m ³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
Solid-1&2	Storage / AB-1	N	N	90.000	90.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Solid-1&2	Storage / AB-1	Y	N	79.380	79.380	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Solid-1&2	Storage / AB-2	N	N	80.900	80.900	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Solid-1&2	Storage / AB-2	Y	N	80.900	80.900	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Solid-1&2	Storage / AB-3	N	N	786.720	786.720	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Solid-1&2	Storage / AB-3	Y	N	791.570	791.570	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Solid-1&2	Storage / CWSF	Y	N	6115.000	6115.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Solid-1&2	Storage / WMA-VS	N	N	1114.970	1114.970	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Solid-1&2	Storage / WMA-VS	Y	N	1821.780	1821.780	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Waste Class: Solid-3

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m ³)	Volume "as dispo" (m ³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
Solid-3	Storage / AB-3	N	N	17.762	17.762	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Solid-3	Storage / Units 1, 2	N	N	52.000	52.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Solid-3	Storage / Units 3, 4	N	N	32.000	32.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00

Waste Class: Liquid

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m ³)	Volume "as dispo" (m ³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
Liquid	Storage / AB-1	N	N	2498.000	2498.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Liquid	Storage / AB-1	Y	N	54.000	54.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Liquid	Storage / AB-2	N	N	2112.000	2112.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Liquid	Storage / AB-2	Y	N	86.000	86.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Liquid	Storage / AB-3	N	N	2098.000	2098.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00
Liquid	Storage / AB-3	Y	N	332.000	332.000	100.00	0.00	0.00	0.00	0.00	0.00	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
Calcine Dissolution	N	N	Same	N
Chemical Precipitation	N	N	Same	N
Compaction	N	N		Y
Decontamination	N	N		N
Evaporation	N	N	Same	N
Filter Leaching	N	N	Same	N
Filtration	N	N	Same	N
Incineration	Y	N		N
Ion Exchange	N	N	Same	N
Organic Destruction	N	N	Same	N
Oxidation	N	N	Same	N
Radionuclide Separation	Y	N		N
Segregation/Sorting	N	N	Same	N
Shredding and Compaction	N	N		Y
Size Reduction	N	N	Increase	N
Sludge washing	Y	N		N
Super Compaction	N	N		Y
Thermal Treatment (non incineration)	Y	N		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
Cementation	N	Y	Increase	N
Containerization	N	Y	Increase	N
Grouting	N	N	Increase	N