

## Site (Data) : Bratrstvi

Stock of waste as at December 2013

Country: CZECH REPUBLIC

Reporting Year: 2013

**Site Name:** Bratrstvi

Full Name: URAO Bratrstvi

Inventory Reporting Date: December 2013

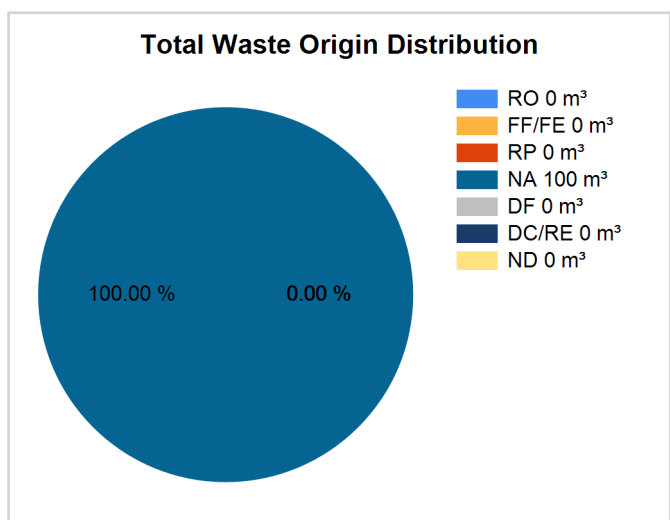
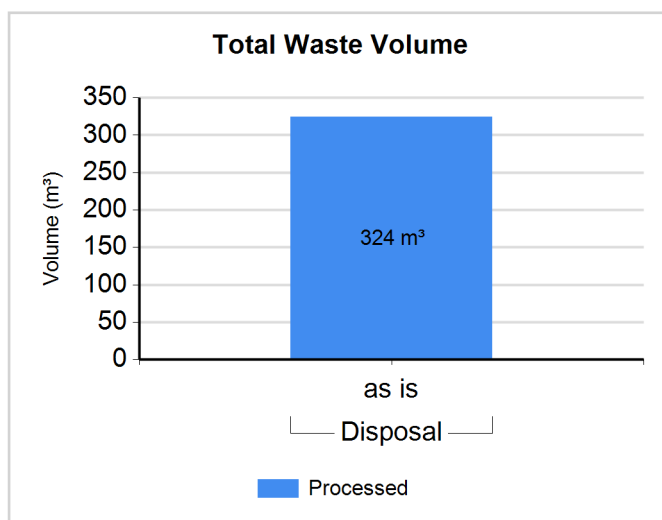
Waste Matrix Used: cz-eu

Comment # 388: Information

The Bratrstvi facility was built in an abandoned uranium mine near Jachymov (Joachimsthal). It is used for waste containing natural radionuclides (Ra-226, Pb-210, Uranium and Thorium isotopes).

**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-LL

Data available but will not be reported.

**Spent Sources <=30 years in Disposition**

Nuclide	Number of Sources/Total Activity of Sources (GBq)			c	u	c	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						o	n	c
	num/activity	num/activity	num/activity								
Pb-210	7 6.590E-001			Y	N	Y	6.590E-001	2012.12			

Comment # 25755: Ra-226 sources

As NEWMDB does not include in the list of nuclides Ra-226 these sources are reported separately. At the end of 2011 193 Ra-226 sources of cat. I, with total activity of 56,54 GBq and one source of cat. II, with activity of 7,268 GBq were disposed in the facility.

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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					
Ra-226	193	2	Y	N	Y	7.450E+001	2012.12
	5.690E+001	1.760E+001					

**RadioNuclide Inventory in Disposal**

Total Alpha Activity (GBq):	1880
Total Beta/Gamma Activity (GBq):	0

RadioNuclide	Activity (GBq)
Radium ( Ra-226)	1350
Thorium ( Th-232)	0.137
Uranium ( U-238)	495