

## Site (Data) : UJV Rez

Stock of waste as at December 2013

Country: CZECH REPUBLIC

Reporting Year: 2013

**Site Name:** UJV RezFull Name: UJV Rez a.s.  
(Nuclear Research Institute Rez)

Inventory Reporting Date: December 2013

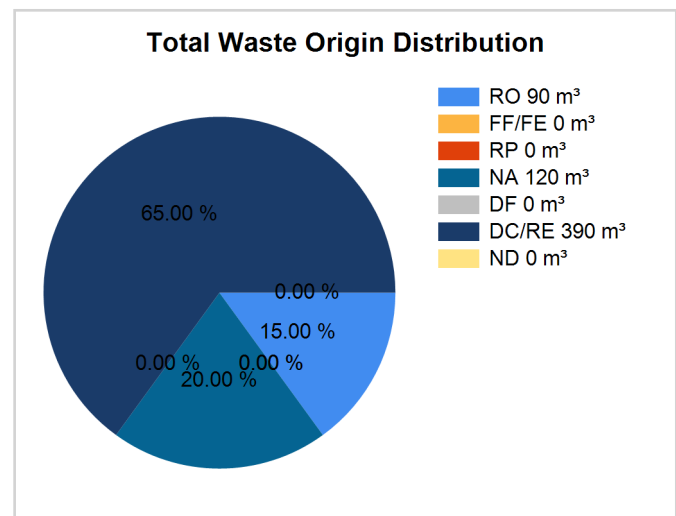
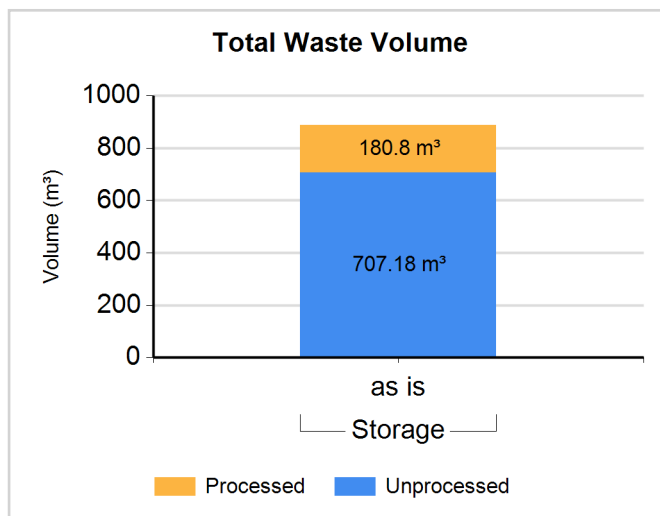
Waste Matrix Used: cz-eu

Comment # 25757: Additional storage capacities

There are two more small storage facilities in UJV Rez a. s. Both are used for the storage of operational liquid RAW. One of them, in building No. 250 (Radiochemie) consists of 7 steel tanks with max. volume of 7 x 10 m<sup>3</sup>, max. operational volume 7 x 8 m<sup>3</sup>, containing 15,1 m<sup>3</sup> of RAW (2011). The second one in building No. 211/3 (Male zbytky) is a 63 m<sup>3</sup> tank with max. operational volume of 35 m<sup>3</sup> and containing 12,0 m<sup>3</sup> of RAW (2011).

**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

Data available but will not be reported.

**Processing - Treatment method(s)**

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Calcination	N	Y		N
Decontamination	N	Y	Same	N
Evaporation	N	N	Same	N
Radionuclide Separation	N	Y		N
Shredding and Compaction	N	N	Same	N
Solvent Extraction	N	Y		N

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**Processing - Conditioning method(s)**

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Bituminization	N	Y	Same	N
Cementation	N	Y	Same	N
Vitrification	N	Y		N

**RadioNuclide Inventory in Storage**

Total Alpha Activity (GBq):	10.5
Total Beta/Gamma Activity (GBq):	0

RadioNuclide	Activity (GBq)
Carbon ( C-14)	1.296
Cesium ( Cs-137)	1.6065
Chlorine ( Cl-36)	0
Hydrogen ( H-3)	2.6
Iodine ( I-129)	0
Strontium ( Sr-90)	11.292
Technetium ( Tc-99)	0

Comment **# 26894: Inventory details**

The inventory details contain information on total activity of stored solid RAW placed in VZ facility. The total activity of RAW in Prekladist. is estimated to be 110 GBq and 3 TBq of SRS, in Cerv.skala 6 GBq and in Sklad VAO 1,3 GBq.