

Site (Structure) : Bratrstvi

Country: CZECH REPUBLIC

Reporting Year: 2005

Full Name: Radioactive Waste Repository Bratrstvi

Description:

Official Website:

License Holder(s): SURAO (Radioactive Waste Repository Authority)

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 management facilities that are located at this site:

Facility:	URAO
Description:	Radioactive waste repository

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Disposal part of facility **URAO**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
TRW	No	No
LILW-SL	No	No
LILW-LL	Yes	Yes
HLW	No	No

List SRS?	Yes
List UMMT?	No

Type:	rock cavern (mountain/hill)		
Facility is modular?	No		
Capacity existing (m3):	1200	Capacity planned (m3):	1200

Depth (m):	30-60	Host medium:	crystalline rock (gneiss)
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Phase Name	Start Year	End Year	Estimate
planning and/or concept assessment	1970		False
site selection		1971	False
design	1971		False
construction	1972	1973	False
commissioning	1974		False
operation	1974	2030	False
closure	2030		False

Comment **# 7197: Total volume of repository**

The volume of the facility is about 3500 m3 including transport corridors. Reviews of historical records and documents were done during 1999-2003.

Comment **# 9798: Calculation of used repository capacity**

From the total volume of 3500 m3 of only 1200 m3 can be used for disposal of RAW. At the end of 2004 about 880 m3 of RAW (73.3% from available disposal volume) were disposed.