

Site (Structure) : CERN

Country: SWITZERLAND

Reporting Year: 2011

Full Name: Centre Européen pour la Recherche Nucléaire

Description:

Official Website:

License Holder(s): "Not licensed as a nuclear facility" / Organisation Européenne pour la Recherche Nucléaire

Comment # 7294: CERN Wastes

CERN is located at the Swiss/French border, extending into both countries, and has the status a international research facility. Radwastes arise from operation and decommissioning of accelerators and experimental equipment. There is a general understanding that these wastes will be routed to disposal within the two host countries, but final decisions have not been made.

A small fraction of "Swiss" wastes, e.g. incinerable waste, is traditionally routed to the national delivery point (PSI-East) for treatment, conditioning and subsequent storage.

The remaining wastes, e.g. large-sized decommissioning waste, are stacked, partially after pretreatment, at dedicated CERN buildings, awaiting free release or conditioning. A project aiming at characterizing and inventorying pertinent wastes according to ENSI (formerly HSK) standards has been launched in 2003, in order to meet potential requirements for subsequent disposal in a Swiss repository and to evaluate optimized conditioning methods.

Potential waste arisings for disposal in Switzerland are estimated to be in the order of 10,000 -20,000 m3 (conditioned) SMA.

Waste management facilities that are located at this site:

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Facility:	WMF@CERN
Description:	CERN Waste Management Facilities

Storage part of facility WMF@CERN

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
SMA	Yes	Yes
ATA	No	No
HAA	No	No
SMA ybc	Yes	Yes
ATA ybc	No	No

List SRS?	No
List UMMT?	No

Capacity:	
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Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
all@CERN	building	1970	No	No	No	No

Processing part of facility WMF@CERN

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
SMA	No	No
ATA	No	No
HAA	No	No
SMA ybc	Yes	Yes
ATA ybc	No	No

Type:	Treatment
Year opened:	1970