

Site (Structure) : CERN

Country: SWITZERLAND

Reporting Year: 2012

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: | |
|-----------|--|

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 |