

Site (Structure) : Dukovany

Country: CZECH REPUBLIC

Reporting Year: 2011

Full Name: URAO Dukovany

Description:

Official Website:

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

Comment # 381: Information

The Dukovany repository (URAO) serves for radioactive waste from operation of Czech NPP. It does not accept waste from research, industry and medicine or spent sealed sources. The accepted waste corresponds to the IAEA LLW-SL waste class.

Comment # 14554: Site Dukovany

Since 2006 repository can accommodate unprocessed institutional waste and operational waste immobilised not only in bitumene, glas and cement, but also in aluminosilicate matrix.

Waste management facilities that are located at this site:

| | |
|--------------|--|
| Facility: | URAO D |
| Description: | Near-surface radioactive waste repository for disposal of operational LILW from both NPPs and waste from their decommissioning. Since 2006 also unprocessed RAW of institutional origin can be disposed in the repository. |

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Disposal part of facility**URAO D**

The following shows disposal status for waste classes and SRS.

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

| | |
|------------|----|
| List SRS? | No |
| List UMMT? | No |

| | | | |
|-------------------------|--------------------|------------------------|-------|
| Type: | engineered surface | | |
| Facility is modular? | Yes | | |
| Capacity existing (m3): | 55000 | Capacity planned (m3): | 55000 |

| | | | |
|------------|-----|--------------|---------------------|
| Depth (m): | 5.3 | Host medium: | sedimentary (other) |
|------------|-----|--------------|---------------------|

| Phase Name | Start Year | End Year | Estimate |
|------------------------------------|------------|----------|----------|
| planning and/or concept assessment | 1976 | 0 | False |
| site selection | | 1982 | False |
| design | | 1986 | False |
| construction | 1987 | 0 | False |
| commissioning | | 1994 | False |
| operation | 1995 | 0 | False |
| closure | 2100 | 0 | True |
| institutional control | 2100 | 2400 | True |

Comment **# 9797: Calculation of used repository capacity**

The reported % of existing capacity used is based on the number of vaults filled by RAW in 200 l drums, which was at the end of 2004 about 9,5 vaults (about 8,5% of the volume of the whole repository - 112 vaults).

Comment **# 14557: Disposal Facility URAO D**

At the end of 2006 5579 m³ of waste (11,5 vaults; about 10 % of the volume of the whole repository) was disposed in the repository.