

Site (Structure) : Püspökszil

Country: HUNGARY

Reporting Year: 2013

Full Name: Radioactive Waste Treatment and Disposal Facility (RWTDF)

Description:

Official Website:

License Holder(s): Public Agency for Radioactive Waste Management Ltd. (PURAM)

Comment # 339: Percentage of Capacity Used

The percentage of disposal facility capacity used takes in to consideration the volume of waste plus losses due to voids, buffer and backfill materials

Waste management facilities that are located at this site:

| | |
|--------------------------------|---|
| Facility: | SSRS |
| Description: | SRS steel lined disposal wells (see comment 7620) |
| Detailed Facility Description: | The spent sealed radioactive sources were placed into storage tubes covered by shielding tubes. |
| Waste Packages: | Direct disposal on wells. |
| Facility Operation: | Public Agency for Radioactive Waste Management Ltd. (PURAM) |
| Financing: | Central Nuclear Financial Fund (CNFF) |

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Disposal part of facility SSRS

The following shows disposal status for waste classes and SRS.

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

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

| | | | |
|-------------------------|--------------------|------------------------|---|
| Type: | engineered surface | | |
| Facility is modular? | No | | |
| Capacity existing (m3): | 2 | Capacity planned (m3): | 2 |

| | | | |
|------------|---|--------------|---------------------|
| Depth (m): | 6 | Host medium: | sedimentary (other) |
|------------|---|--------------|---------------------|

| Phase Name | Start Year | End Year | Estimate |
|----------------|------------|----------|----------|
| site selection | 1974 | 1974 | False |
| design | 1974 | 1974 | False |
| construction | 1974 | 1976 | False |
| commissioning | 1976 | 1977 | False |
| operation | 1977 | 0 | False |

Comment **# 7620: facility capacity**

The capacity (existing and planned) is 1.6 m3. The repository consists of an array of boreholes lined with stainless steel with an approximate diameter of 10-20 cm and 6 m deep.

The NEWMDB has a limitation that only integer values can be entered for capacity, therefore the value shown for the facility was rounded by the database to 2 m3

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| | |
|--------------------------------|---|
| Facility: | STORAGE |
| Description: | Storage for long lived radioactive waste |
| Detailed Facility Description: | The building is a centralised interim store for institutional radioactive wastes which are not suitable for near-surface disposal. In the basement of the building special wells (boreholes) were prepared for the storage of spent sealed radioactive sources. |
| Waste Packages: | 200 l metal drums and 1,2 m3 metal boxes (container) for wastes, 0,5 - 5 l special tubes for SRS. |
| Facility Operation: | Public Agency for Radioactive Waste Management Ltd. (PURAM) |
| Financing: | Central Nuclear Financial Fund (CNFF) |

Storage part of facility**STORAGE**

The following shows storage status for waste classes and SRS.

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

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

| | |
|-----------|---|
| Capacity: | 200 m3 for solid waste 2.75 m3 for SRS |
|-----------|---|

Types of Storage Units

| Storage Unit Name | Type Name | Year Opened | Closed? | Full? | Modular? | Contains SRS? |
|-------------------|-----------|-------------|---------|-------|----------|---------------|
| Store | building | 2005 | No | No | No | No |
| Well | well | 2005 | No | No | No | No |

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Processing part of facility STORAGE

The following shows processing status for waste classes and SRS.

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

| | |
|--------------|-----------|
| Type: | Treatment |
| Year opened: | 2006 |

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| | |
|--------------------------------|---|
| Facility: | VAULTS |
| Description: | Concrete disposal vaults |
| Detailed Facility Description: | 60 vaults with 70 m3 and 6 vaults with 140 m3 capacity. |
| Waste Packages: | 200 l metal drums and 1,2 m3 metal box (container) for wastes |
| Facility Operation: | Public Agency for Radioactive Waste Management Ltd. (PURAM) |
| Financing: | Central Nuclear Financial Fund (CNFF) |

Disposal part of facility VAULTS

The following shows disposal status for waste classes and SRS.

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

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

| | | | |
|-------------------------|--------------------|------------------------|------|
| Type: | engineered surface | | |
| Facility is modular? | No | | |
| Capacity existing (m3): | 5040 | Capacity planned (m3): | 5040 |

| | | | |
|------------|---|--------------|---------------------|
| Depth (m): | 6 | Host medium: | sedimentary (other) |
|------------|---|--------------|---------------------|

| Phase Name | Start Year | End Year | Estimate |
|---------------------|------------|----------|----------|
| site selection | 1974 | 1974 | False |
| design | 1974 | 1974 | False |
| construction | 1974 | 1976 | False |
| commissioning | 1976 | 1977 | False |
| operation | 1977 | 0 | False |
| ACTIVITY: upgrading | 2001 | 0 | False |

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Processing part of facility **VAULTS**

The following shows processing status for waste classes and SRS.

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

| | |
|--------------|-------------------------|
| Type: | Treatment, Conditioning |
| Year opened: | 1977 |