

## Site (Structure) : NUMO

Country: JAPAN

Reporting Year: 2009

Full Name: (To Be Determined)  
a future site for the HLW repository to be developed by the Nuclear Waste Management Organization of Japan (NUMO).

Location: site not selected

Description:

Official Website:

License Holder(s): not licensed (in site selection phase for the HLW repository; NUMO is a disposal implementing entity)

Waste management facilities that are located at this site:

<b>Facility:</b>	<b>HLW</b>
<b>Description:</b>	Final Disposal Facility of Vitrified HLW (in Site Selection Phase)

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**Disposal part of facility**                      **HLW**

The following shows disposal status for waste classes and SRS.

Waste Class	Actual	Planned
Geological	No	Yes
Sub-surface with EBS	No	No
Near-surface with EBS	No	No
Near-surface without EBS	No	No

List SRS?	No
List UMMT?	No

Type:	geological (cavern)		
Facility is modular?	Yes		
Capacity existing (m3):	0	Capacity planned (m3):	6000

Depth (m):	> 300	Host medium:	unknown (site not selected)
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Phase Name	Start Year	End Year	Estimate
site selection	2002	2027	True
construction	2025		True
operation	2035		True

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## Comment # 12191: Capacity - planned:

The capacity of a final disposal facility is not less than 40,000 canisters.

«Program for Final Disposal of the Specified Radioactive Waste, cabinet decision, October 28, 2005» - This program shall be provided every 5 years by the Minister of METI pursuant to the article 4 of the Specified Radioactive Waste Final Disposal Act.

Capacity value in m3 unit is not available, however tentatively reported on the assumption such that a canister volume is 150L in average. (JAEA Toaki:120L, JNFL: 170L)

## Comment # 12192: Depth:

The Specified Radioactive Waste is to be disposed of at the depth specified by the Cabinet Order not less than 300 meter under the ground in geological formations.

«Article 2 of the Specified Radioactive Waste Final Disposal Act»

## Comment # 12193: Phase:

A repository site is to be selected via stepwise procedures pursuant to the Specified Radioactive Waste Final Disposal Act.

- Selection of Preliminary Investigation Areas (PIAs)
- Selection of Detailed Investigation Areas (DIAs) 2009~2013
- Selection of a repository site (2023~2027)

- Design of the repository and licensing
- Start of construction (around 2025)
- Start of operations (2033~2037)