

Site (Structure) : Rokkasho

Country: JAPAN

Reporting Year: 2007

Full Name: JNFL ::
Low-Level Radioactive Waste Disposal Center

Location: Rokkasho Vil., Aomori Pref.

Description:

Official Website:

License Holder(s): Japan Nuclear Fuel Limited (JNFL)

Comment # 12156: LLW Disposal Center

Approved for a total capacity of 80,000 m³, the Low-Level Radioactive Waste Disposal Center has now its No.1 and No.2 disposal facility. The ultimate capacity is planned to be 600,000 m³.

Waste management facilities that are located at this site:

Facility:	LLWDC-1
Description:	Low-Level Radioactive Waste Disposal Center; No.1 Disposal facility

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Disposal part of facility **LLWDC-1**

The following shows disposal status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

Type:	engineered near surface		
Facility is modular?	Yes		
Capacity existing (m3):	30720	Capacity planned (m3):	40000

Depth (m):	6 - 12	Host medium:	sedimentary (sand)
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Phase Name	Start Year	End Year	Estimate
planning and/or concept assessment	1982	1985	False
site selection	1984	1985	False
design	1985	1990	False
construction	1990	2027	False
commissioning	1988	1990	False
operation	1992	2027	False
closure	2027		False
institutional control	2027	2327	False

Comment **# 12157: Disposal Facility LLWDC-1**

Capacity existing: 153,600 drums (=5,120x5x6)

Capacity planned: 200,000 drums

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Facility:	LLWDC-2
Description:	Low-Level Radioactive Waste Disposal Center; No.2 Disposal facility

Disposal part of facility LLWDC-2

The following shows disposal status for waste classes and SRS.

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

List SRS?	No
List UMMT?	No

Type:	engineered near surface		
Facility is modular?	Yes		
Capacity existing (m3):	20736	Capacity planned (m3):	40000

Depth (m):	11 - 18	Host medium:	sedimentary (sand)
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Phase Name	Start Year	End Year	Estimate
planning and/or concept assessment	1992	1993	False
site selection	1984	1985	False
design	1993	1998	False
construction	1998	2030	False
commissioning	1997	1998	False
operation	2000	2030	False
closure	2030		False
institutional control	2030	2330	False

Comment # 12158: Disposal Facility LLWDC-2

Capacity existing: 103,680 drums (=12,960x2x4)

Capacity planned: 200,000 drums