

Disposal Plans for High-Level Radioactive Waste by Country

(as of the end of December 2023)

Country	Implementing Body	Type of Waste	Amount	Disposal Sites (Candidate) & Rock Types	Disposal Depth	Scheduled Start Operation Time
France	French National Radioactive Waste Management Agency (ANDRA)	High-level, vitrified waste	11,800m ³ (if all is reprocessed)	Meuse , 11 municipalities of Haute-Marne (Near the Bure Underground Laboratory) Rock type: clay layer	About 500m	Around 2035-2040
Japan	Nuclear Waste Management Organization of Japan (NUMO)	High-level, vitrified waste	40,000 + canisters	Site to be determined Rock type: to be determined	300m+	To be determined
Belgium	National Agency for Radioactive Waste and Enriched Fissile Materials (ONDRAF/NIRAS)	High-level, vitrified waste & spent fuel	11,700m ³ (if reprocessed)	Site to be determined Rock type: to be determined	To be determined	2080
Switzerland	National Cooperative for the Disposal of Radioactive Waste (NAGRA)	High-level, vitrified waste & spent fuel	1,490m ³	Noerdlich Laegern Rock type: Opalinus clay	About 800m	Around 2060
U.S.A.	Department of Energy (DOE)	Spent fuel (mainly for commercial use) High-level, vitrified waste (mainly for national defense)	70,000 tons (heavy metal basis)	Nevada Yucca Mountains (Nuclear Waste Policy Act) Rock type: tuff	200 to 500m	2048
Germany	Bundesgesellschaft für Endlagerung (BGE)	High-level, vitrified waste & spent fuel	27,000m ³ (Volume value includes waste container)	Site to be determined Rock type: to be determined	300m+	To be determined
Finland	Posiva Oy	Spent fuel	6,500 tons (uranium basis)	Olkiluoto, Eurajoki Rock type: crystalline rock	About 400m to 450m	2020s
Sweden	Swedish Nuclear Fuel and Wastes Management Co. (SKB)	Spent fuel	12,000 tons (uranium basis)	Forsmark, Östhammar Rock type: Crystalline rock	About 500m	2030s