



## STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

	National Law / Policy for the Current Repository	Site Selection Process Started	Site Selected	Construction License Application Submitted	Repository Construction Started	Waste Emplacement Started
 <b>FINLAND</b> Site, Location Name: <a href="#">Onkalo, Olkiluoto</a>	1987	1983 <sup>1</sup>	2001	2012	2016	TBD
 <b>SWEDEN</b> Site, Location Name: <a href="#">Forsmark, Osthhammer</a>	1984	1992	2009	2011 <sup>2</sup>	2025 <sup>7</sup>	2035 <sup>8</sup>
 <b>FRANCE</b> Site, Location Name: <a href="#">Cigéo, Bure</a>	1991	1993 <sup>1</sup>	2005 <sup>3</sup>	2023 <sup>3</sup>	2027-2028 <sup>12</sup>	
 <b>SWITZERLAND</b> Site, Location Name: <a href="#">Nördlich Lägern, Stadel</a>	2003	2008	2022	2034 <sup>4</sup>		
 <b>UNITED STATES</b> Site, Location Name: <a href="#">Yucca Mountain, Nevada</a>	1982	1983	2002	2008 <sup>**</sup>		
 <b>CANADA</b> Site, Location Name: <a href="#">Wabigoon Lake Ojibway Nation-Ignace, Ontario</a>	2002	2010	2024	2031 <sup>5</sup>		

**TBD** To Be Determined  
 Progress of the country program  
 Estimated time frame  
 Suspended/not being funded

**FOOTNOTES:**

\* Information in this table is derived from the NWTRB Report titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.  
 \*\* The Yucca Mountain repository project is not being funded; the NRC licensing process has been suspended.

**REFERENCES:**

- [https://assets.publishing.service.gov.uk/media/5a815d7ee5274a2e87dbd3c0/Overview\\_of\\_international\\_siting\\_processes\\_September\\_2013.pdf](https://assets.publishing.service.gov.uk/media/5a815d7ee5274a2e87dbd3c0/Overview_of_international_siting_processes_September_2013.pdf)
- <https://www.skb.com/future-projects/the-spent-fuel-repository/the-review-process/>
- <https://international.andra.fr/sites/international/files/2023-01/CigeoMag%20UK.pdf>
- Blechschildt, I. "Swiss Deep Geological Repository Program: Key Activities and Future Directions," Waste Management Symposium 2025, Phoenix, AZ, USA. March 10-13, 2025
- [https://www.nwmo.ca/-/media/Reports-MASTER/Corporate-reports/Implementation-plan-2025-29.ashx?rev=d30114f5501c4b0594d317e1f2bd489c&sc\\_lang=en](https://www.nwmo.ca/-/media/Reports-MASTER/Corporate-reports/Implementation-plan-2025-29.ashx?rev=d30114f5501c4b0594d317e1f2bd489c&sc_lang=en)
- <https://www.nwmo.ca/Site-selection/Wabigoon-Lake-Ojibway-Nation-Ignace-area>
- <https://skb.com/nyhet/construction-begins-on-swedish-spent-fuel-repository/>
- <https://skb.com/future-projects/the-spent-fuel-repository/>
- <https://www.andra.fr/cigeo/le-calendrier-et-les-differentes-phases-du-projet#section-1086>



## STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

	National Law / Policy for the Current Repository	Site Selection Process Started	Site Selected	Construction License Application Submitted	Repository Construction Started	Waste Emplacement Started
 <b>CZECH REPUBLIC</b> Site, Location Name: TBD	1997 <sup>9</sup>	1992 <sup>9</sup>	2030 <sup>9</sup>			
 <b>CHINA</b> Site, Location Name: TBD	2003	2013	TBD			
 <b>GERMANY</b> Site, Location Name: TBD	2013	2017	2046-2068 <sup>10</sup>			
 <b>JAPAN</b> Site, Location Name: TBD	2000	2002	2030			
 <b>UNITED KINGDOM</b> Site, Location Name: TBD	2008	2020	2035-2040			
 <b>REPUBLIC OF KOREA</b> Site, Location Name: TBD	2025 <sup>13</sup>	2016	2028			
 <b>SPAIN</b> Site, Location Name: TBD	2023 <sup>11</sup>	2029				
 <b>BELGIUM</b> Site, Location Name: TBD	2022	UNDECIDED				

**TBD** To Be Determined  
 Progress of the country program  
 Estimated time frame

### REFERENCES:

9. [https://sujb.gov.cz/fileadmin/sujb/docs/zpravy/narodni\\_zpravy/NZ\\_VP\\_RAO\\_8\\_0A.pdf](https://sujb.gov.cz/fileadmin/sujb/docs/zpravy/narodni_zpravy/NZ_VP_RAO_8_0A.pdf)
10. <https://www.sandia.gov/app/uploads/sites/137/2024/03/13th-US-German-Workshop-Proceedings-SAND2024-02255R.pdf>
11. [https://www.enresa.es/documentos/20231227%20PGRR%207\\_Version%20%2027%20diciembre%202023.pdf](https://www.enresa.es/documentos/20231227%20PGRR%207_Version%20%2027%20diciembre%202023.pdf)
13. [https://www.korad.or.kr/korad-eng/board/view.do?menu\\_idx=92&manage\\_idx=161&board\\_idx=1329789&viewPage=1&search\\_type=title%2Bcontent](https://www.korad.or.kr/korad-eng/board/view.do?menu_idx=92&manage_idx=161&board_idx=1329789&viewPage=1&search_type=title%2Bcontent)



# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

	National Law / Policy for the Current Repository	Site Selection Process Started	Site Selected	Construction License Application Submitted	Repository Construction Started	Waste Emplacement Started
 <b>FINLAND</b>	1987	1983 <sup>1</sup>	2001	2012	2016	TBD

Site Name, Location: [Onkalo, Olkiluoto](#)  
 Implementer: [Posiva Oy](#)



**TBD** To Be Determined  
 Progress of the country program  
 Estimated time frame

**FOOTNOTES:**

\*Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.

**REFERENCES:**

1. [https://assets.publishing.service.gov.uk/media/5a815d7ee5274a2e87dbd3c0/Overview\\_of\\_international\\_siting\\_processes\\_September\\_2013.pdf](https://assets.publishing.service.gov.uk/media/5a815d7ee5274a2e87dbd3c0/Overview_of_international_siting_processes_September_2013.pdf)



# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached



**Site Name, Location:** [Forsmark, Osthhammer](#)  
**Implementer:** [Swedish Nuclear Fuel and Waste Management Company](#)



 Progress of the country program  
 Estimated time frame

### FOOTNOTES:

\*Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.

### REFERENCES:

- <https://www.skb.com/future-projects/the-spent-fuel-repository/the-review-process/>
- <https://skb.com/hyhet/construction-begins-on-swedish-spent-fuel-repository/>
- <https://skb.com/future-projects/the-spent-fuel-repository/>



# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached



**Site Name, Location:** [Cigéo, Bure](#)  
**Implementer:** [National Agency for Radioactive Waste Management](#)



 Progress of the country program  
 Estimated time frame

**FOOTNOTES:**

\*Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.

**REFERENCES:**

- [https://assets.publishing.service.gov.uk/media/5a815d7ee5274a2e87dbd3c0/Overview\\_of\\_international\\_siting\\_processes\\_September\\_2013.pdf](https://assets.publishing.service.gov.uk/media/5a815d7ee5274a2e87dbd3c0/Overview_of_international_siting_processes_September_2013.pdf)
- <https://international.andra.fr/sites/international/files/2023-01/CigeoMag%20UK.pdf>
- <https://www.andra.fr/cigeo/le-calendrier-et-les-differentes-phases-du-projet#section-1086>



# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

National Law / Policy for the Current Repository

Site Selection Process Started

Site Selected

Construction License Application Submitted

Repository Construction Started

Waste Emplacement Started



## SWITZERLAND

2003

2008

2022

2034<sup>4</sup>

Site Name, Location: [Nördlich Lägern, Stadel](#)  
 Implementer: [National Cooperative for the Disposal of Radioactive Waste](#)



Progress of the country program  
 Estimated time frame

### FOOTNOTES:

\*Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.

### REFERENCES:

4. Blechschmidt, I. "Swiss Deep Geological Repository Program: Key Activities and Future Directions," Waste Management Symposium 2025, Phoenix, AZ, USA. March 10-13, 2025

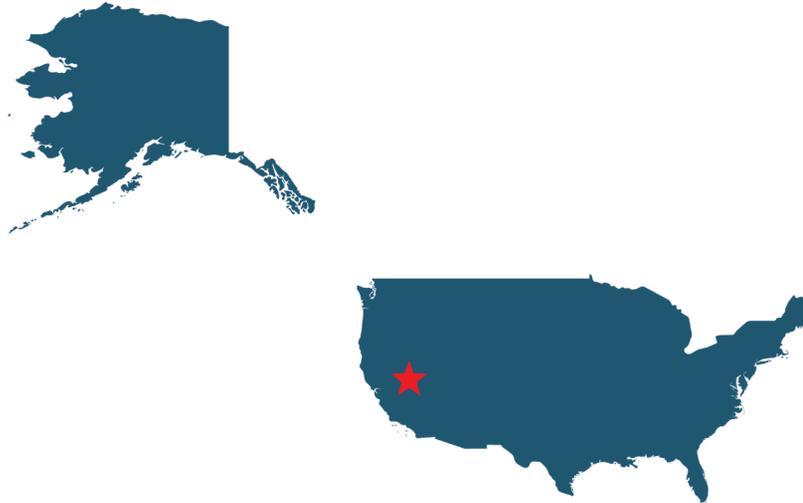


# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

	National Law / Policy for the Current Repository	Site Selection Process Started	Site Selected	Construction License Application Submitted	Repository Construction Started	Waste Emplacement Started
 <b>UNITED STATES</b>	1982	1983	2002	2008**		

Site Name, Location: [Yucca Mountain, Nevada](#)  
 Implementer: [U.S. Department of Energy](#)



- Progress of the country program
- Estimated time frame
- Suspended/not being funded

**FOOTNOTES:**

\* Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.  
 \*\* The Yucca Mountain repository project is not being funded; the NRC licensing process has been suspended.



# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

	National Law / Policy for the Current Repository	Site Selection Process Started	Site Selected	Construction License Application Submitted	Repository Construction Started	Waste Emplacement Started
 <b>CANADA</b>	2002	2010	2024 <sup>6</sup>	2031 <sup>5</sup>		

**Site Name, Location:** [Wabigoon Lake Obijway Nation-Ignace, Ontario](#)  
**Implementer:** [Nuclear Waste Management Organization](#)



 Progress of the country program  
 Estimated time frame

**FOOTNOTES:**

\*Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.

**REFERENCES:**

- [https://www.nwmo.ca/-/media/Reports-MASTER/Corporate-reports/Implementation-plan-2025-29.ashx?rev=d30114f5501c4b0594d317e1f2bd489c&sc\\_lang=en](https://www.nwmo.ca/-/media/Reports-MASTER/Corporate-reports/Implementation-plan-2025-29.ashx?rev=d30114f5501c4b0594d317e1f2bd489c&sc_lang=en)
- <https://www.nwmo.ca/Site-selection>



# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

National Law / Policy for the Current Repository

Site Selection Process Started

Site Selected

Construction License Application Submitted

Repository Construction Started

Waste Emplacement Started



## CZECH REPUBLIC

1997<sup>9</sup> → 1992<sup>9</sup>

2030<sup>9</sup>



**TBD** To Be Determined  
 Progress of the country program  
 Estimated time frame

### FOOTNOTES:

\*Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.

### REFERENCES:

9. [https://sujb.gov.cz/fileadmin/sujb/docs/zpravy/narodni\\_zpravy/NZ\\_VP\\_RAO\\_8\\_0A.pdf](https://sujb.gov.cz/fileadmin/sujb/docs/zpravy/narodni_zpravy/NZ_VP_RAO_8_0A.pdf)



# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

National Law / Policy for the Current Repository

Site Selection Process Started

Site Selected

Construction License Application Submitted

Repository Construction Started

Waste Emplacement Started



CHINA

2003

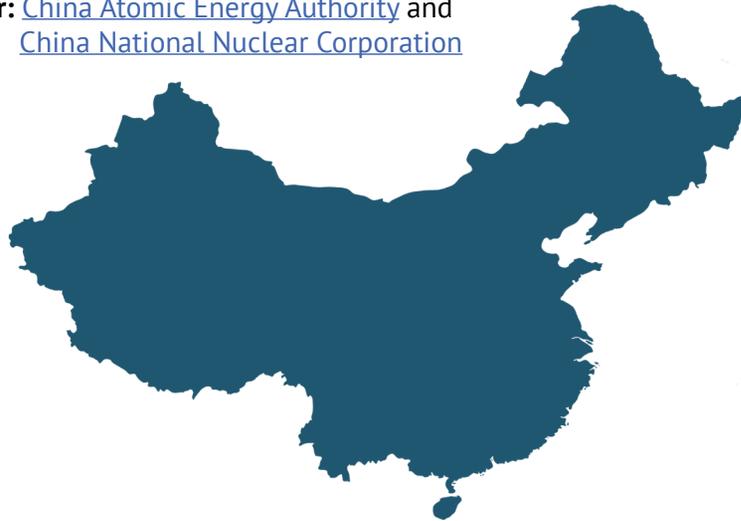


2013

TBD

Site Name, Location: TBD

Implementer: [China Atomic Energy Authority](#) and [China National Nuclear Corporation](#)



**TBD** To Be Determined  
 Progress of the country program  
 Estimated time frame

### FOOTNOTES:

\*Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.



# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

National Law / Policy for the Current Repository

Site Selection Process Started

Site Selected

Construction License Application Submitted

Repository Construction Started

Waste Emplacement Started



## GERMANY

2013



2017

2046-2068<sup>10</sup>

Site Name, Location: TBD

Implementer: [Federal Company for Radioactive Waste Disposal](#)



- TBD** To Be Determined
- Progress of the country program
- Estimated time frame

### FOOTNOTES:

\*Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.

### REFERENCES:

10. <https://www.sandia.gov/app/uploads/sites/137/2024/03/13th-US-German-Workshop-Proceedings-SAND2024-02255R.pdf>



# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

National Law / Policy for the Current Repository

Site Selection Process Started

Site Selected

Construction License Application Submitted

Repository Construction Started

Waste Emplacement Started



**JAPAN**

2000



2002

2030

Site Name, Location: TBD

Implementer: [Nuclear Waste Management Organization of Japan](#)



- TBD** To Be Determined
- Progress of the country program
- Estimated time frame

**FOOTNOTES:**

\*Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.



# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

National Law / Policy for the Current Repository

Site Selection Process Started

Site Selected

Construction License Application Submitted

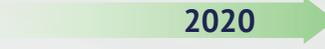
Repository Construction Started

Waste Emplacement Started



## UNITED KINGDOM

2008



2020

2035-2040

Site Name, Location: TBD  
Implementer: [Nuclear Waste Services](#)



- TBD** To Be Determined
- Progress of the country program
- Estimated time frame

### FOOTNOTES:

\*Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.



# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

	National Law / Policy for the Current Repository	Site Selection Process Started	Site Selected	Construction License Application Submitted	Repository Construction Started	Waste Emplacement Started
--	--	--------------------------------	---------------	--	---------------------------------	---------------------------


**REPUBLIC OF KOREA**
2025<sup>13</sup>

2028

**Site Name, Location:** TBD  
**Implementer:** [Korea Radioactive Waste Agency](#)



**TBD** To Be Determined  
 Progress of the country program  
 Estimated time frame

**FOOTNOTES:**

\*Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.

**REFERENCES:**

13. [https://www.korad.or.kr/korad-eng/board/view.do?menu\\_idx=92&manage\\_idx=161&board\\_idx=1329789&viewPage=1&search\\_type=title%2Bcontent](https://www.korad.or.kr/korad-eng/board/view.do?menu_idx=92&manage_idx=161&board_idx=1329789&viewPage=1&search_type=title%2Bcontent)



# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

National Law / Policy for the Current Repository

Site Selection Process Started

Site Selected

Construction License Application Submitted

Repository Construction Started

Waste Emplacement Started



SPAIN

2023<sup>11</sup> →

2029

Site Name, Location: TBD  
Implementer: [Spanish Radioactive Waste Management Agency](#)



**TBD** To Be Determined  
 Progress of the country program  
 Estimated time frame

#### FOOTNOTES:

\*Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.

#### REFERENCES:

11. [https://www.enresa.es/documentos/EN\\_7-plan-general-residuos-radiactivos.pdf](https://www.enresa.es/documentos/EN_7-plan-general-residuos-radiactivos.pdf)



# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

This table presents the progress of national nuclear waste disposal programs in various countries, summarized at a high level and focusing on when primary milestones were reached

National Law / Policy for the Current Repository

Site Selection Process Started

Site Selected

Construction License Application Submitted

Repository Construction Started

Waste Emplacement Started



**BELGIUM**

2022  **UNDECIDED**

**Site Name, Location:** TBD  
**Implementer:** [National Agency for Radioactive Waste and Enriched Fissile Materials](#)



- TBD** To Be Determined
-  Progress of the country program
-  Estimated time frame

**FOOTNOTES:**

\*Information in this table is derived from the [NWTRB Report](#) titled 'Survey of National Programs for Managing High-Level Radioactive Waste and Spent Nuclear Fuel: 2022 Update' unless otherwise noted.