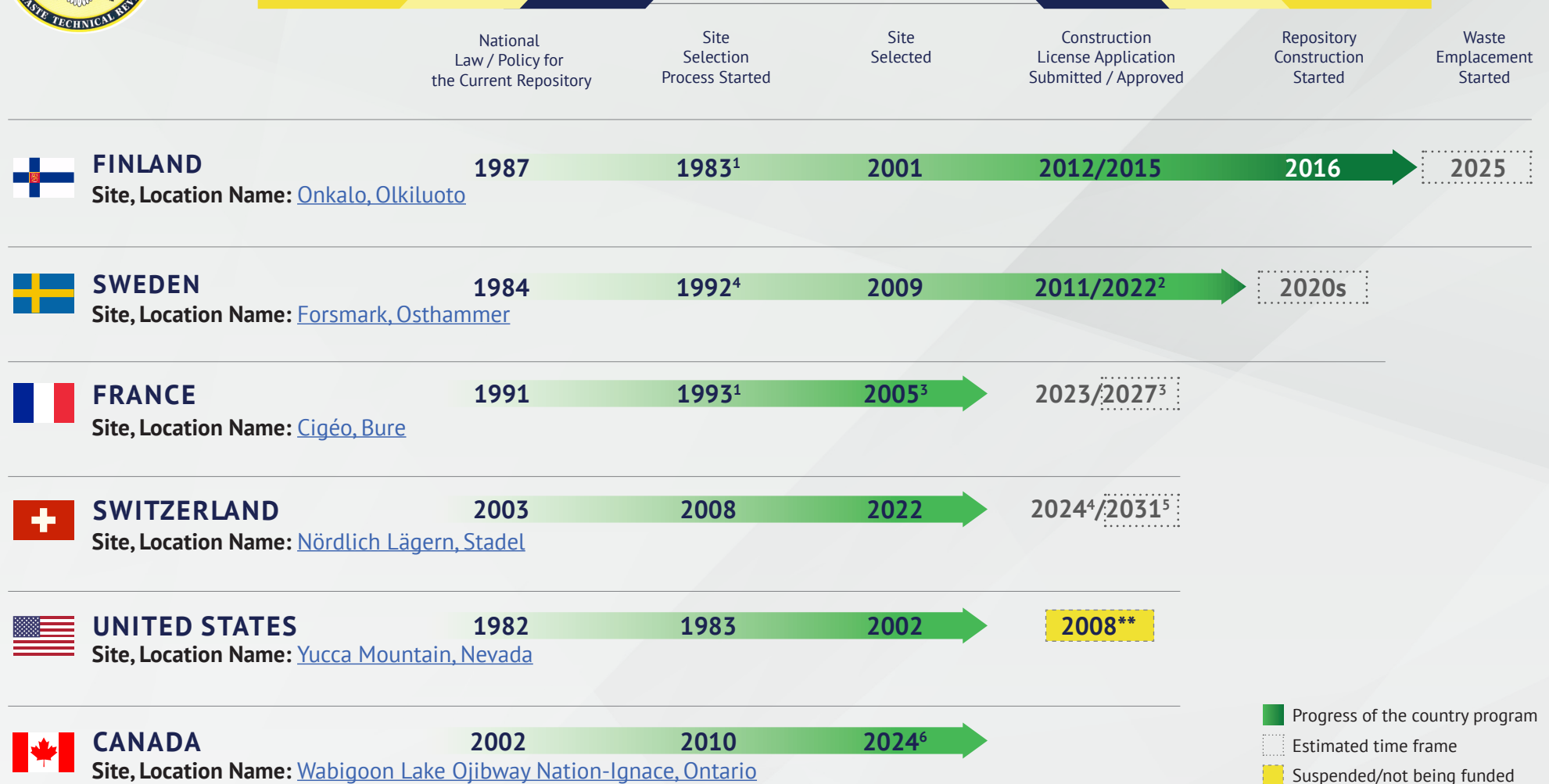




# STATUS OF REPOSITORY PROGRAMS FOR DISPOSAL OF SPENT NUCLEAR FUEL AND HIGH-LEVEL RADIOACTIVE WASTE\*

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



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>
- <https://nagra.ch/en/repository-decision-requires-broad-societal-debate/>
- <https://www.iaea.org/sites/default/files/switzerland-7rm.pdf>
- <https://www.nwmo.ca/Site-selection/Wabigoon-Lake-Ojibway-Nation-Ignace-area>



## 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 / Approved	Repository Construction Started	Waste Emplacement Started
 <b>CHINA</b> Site, Location Name: TBD	2003	2013	TBD			
 <b>GERMANY</b> Site, Location Name: TBD	2013	2017	2046-2068 <sup>7</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	UNDECIDED	2016	2028			
 <b>SPAIN</b> Site, Location Name: TBD	2023 <sup>8</sup>	2029				
 <b>BELGIUM</b> Site, Location Name: TBD	2022	UNDECIDED				

 Progress of the country program  
 Estimated time frame

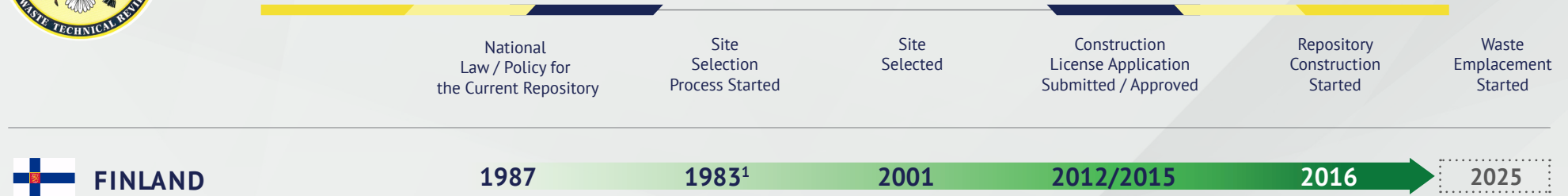
### REFERENCES:

7. <https://www.sandia.gov/app/uploads/sites/137/2024/03/13th-US-German-Workshop-Proceedings-SAND2024-02255R.pdf>
8. [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



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



 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.

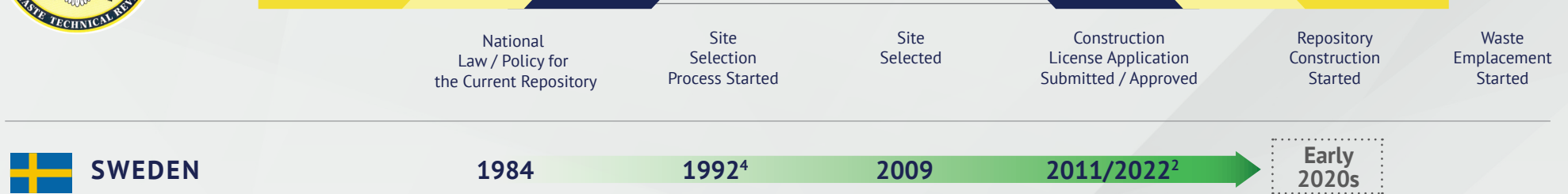
#### REFERENCES:

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, Location Name:** [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:**

2. <https://nagra.ch/wp-content/uploads/2022/09/Report-the-site-for-the-deep-geological-repository-Nagras-proposal.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 / Approved

Repository Construction Started

Waste Emplacement Started



## FRANCE

1991



1993<sup>1</sup>

2005<sup>3</sup>

2023/2027<sup>5</sup>

Site, Location Name: [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:

3. <https://international.andra.fr/sites/international/files/2023-01/CigeoMag%20UK.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 / Approved

Repository Construction Started

Waste Emplacement Started



## SWITZERLAND

2003

2008

2022

2024<sup>4</sup>/2031<sup>5</sup>

Site, Location Name: [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. <https://nagra.ch/en/repository-decision-requires-broad-societal-debate/>
5. <https://www.iaea.org/sites/default/files/switzerland-7rm.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 / Approved

Repository Construction Started

Waste Emplacement Started



## UNITED STATES

1982

1983

2002

2008\*\*

Site, Location Name: [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 / Approved

Repository Construction Started

Waste Emplacement Started



CANADA

2002



2010

2024<sup>6</sup>

Site, Location Name: [Wabigoon Lake Ojibway 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:

6. <https://www.nwmo.ca/Site-selection/Wabigoon-Lake-Ojibway-Nation-Ignace-area>






# 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 / Approved	Repository Construction Started	Waste Emplacement Started
 <b>CHINA</b>	2003	2013	TBD			
<p><b>Site, Location Name:</b> TBD <b>Implementer:</b> <a href="#">China Atomic Energy Authority</a> and <a href="#">China National Nuclear Corporation</a></p> 						

 Progress of the country program

## 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 / Approved

Repository Construction Started

Waste Emplacement Started



## GERMANY

2013

2017

2046-2068<sup>7</sup>

Site, Location Name: TBD

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



■ 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.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 / Approved

Repository Construction Started

Waste Emplacement Started



## JAPAN

2000

2002

2030

Site, Location Name: TBD

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



■ 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 / Approved

Repository Construction Started

Waste Emplacement Started

## UNITED KINGDOM



2008

2020

2035-2040

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



-  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 / Approved

Repository Construction Started

Waste Emplacement Started



## REPUBLIC OF KOREA

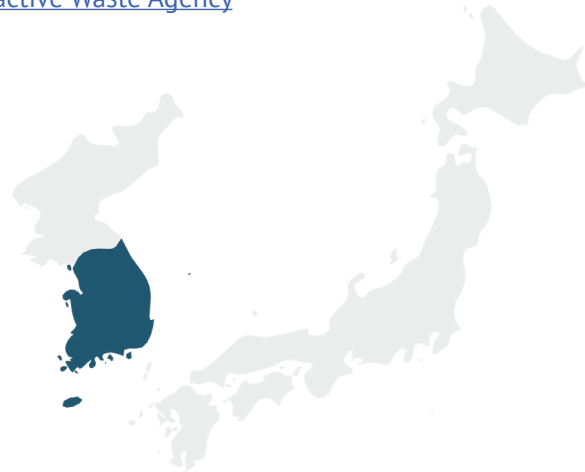
UNDECIDED

2016

2028

Site, Location Name: TBD

Implementer: [Korea Radioactive Waste Agency](#)



- 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 / Approved

Repository Construction Started

Waste Emplacement Started



## SPAIN

2023<sup>8</sup> →

2029

Site, Location Name: TBD

Implementer: [Spanish Radioactive Waste Management Agency](#)



■ 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:

8. [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 / Approved

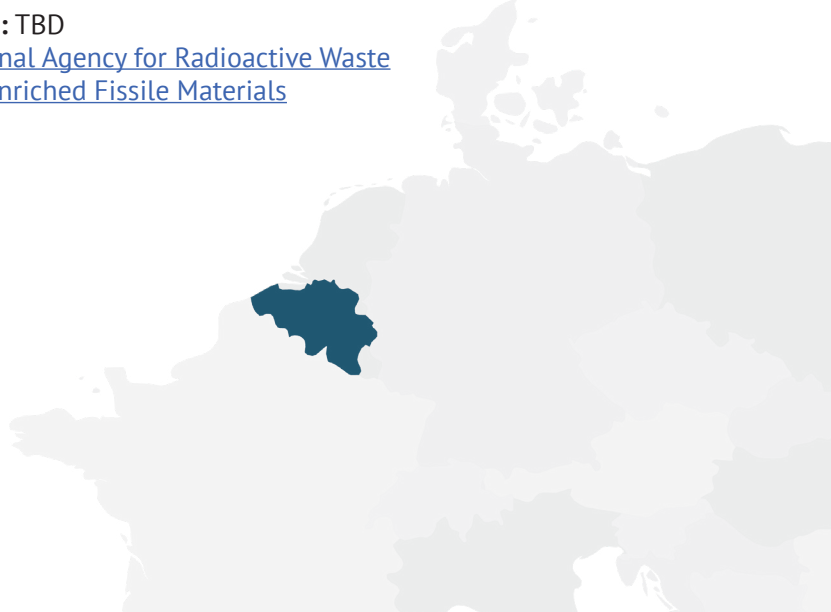
Repository Construction Started


Waste Emplacement Started

 **BELGIUM**

2022  UNDECIDED

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



 Progress of the country program

## 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.