

## RESIDUAL WASTE

### OVER TIME, RADIOACTIVE WASTE LOSES ITS RADIOACTIVITY

Unlike other industrial wastes  
(e.g. chemicals, heavy metals)  
which remain hazardous indefinitely.

December 2020

## TEMPORARY STORAGE

Allows for the heat/decay to diminish over time  
before moving to final solution

The waste can be stored

- in either wet or dry form
- both onsite (within the nuclear facility) or offsite

Some countries treat spent fuel as a resource.  
Temporary storage enables future retrieval and  
reprocessing

## ALL STORAGE SOLUTIONS ARE HIGHLY REGULATED

Must meet EURATOM requirements  
& international safety standards

All waste is inventoried  
We know where it is & how much there is

All EU MS with nuclear waste storage have to  
report on a regular basis how they implement the  
regulations

# CIRCULAR ECONOMY & THE NUCLEAR INDUSTRY

## RESIDUAL WASTE MANAGEMENT



COVRA processing and storage facility in Borssele, Netherlands

## FINAL REPOSITORIES

Deep Geological Repositories (DGR)

- Do not require human intervention thanks to passive safety measures
- Are recognised by Euratom Waste Directive as the safest & most sustainable option for high level waste
- Do no significant harm to humans and the environment

## INNOVATION



EU EURATOM funds are used for the financing  
of nuclear waste management research