

OUR RADIOACTIVE WASTE MANAGEMENT

Newsletter of Nucleria

We, Nucleria, find two particular things very important. First of all, the safety of our country and our citizens is our top priority. Secondly, we benefit a lot from our nuclear sector. It is very precious for our community and thriving economy. Therefore, we developed a **radioactive waste management** to protect our Nuclerians and our environment. Please keep reading if you want more information.

Our nuclear industry ensures that their waste is safely stored, processed and monitored, separated from humans and the environment. Under no circumstances, is waste dumped uncontrolled into the sea. In thorough consultation with our **specialists**, an appropriate plan is devised for each particle. We guarantee punctual and transparent communication with our neighbouring countries and stakeholders. The storage takes place in the interests of the safety of our **future generations**.

WHAT IS RADIOACTIVE WASTE?

Radioactive waste contains or is contaminated with radioactive nuclear substances. In Nucleria, we distinguish three types: low-level waste (90%), intermediate-level waste (8%) and high-level waste (2%).

Keep in mind that the amount of waste generated by nuclear power is very limited compared to other thermal electricity generation technologies.

NUCLEAR SECTOR IN NUCLERIA

25% of our working citizens are employed in our nuclear sector. We have eight nuclear reactors. We stock around 23 000 m3.



Nucloprocess is responsible for and specialised in the storage, conditioning and processing of radioactive waste.

NUCLEAR DISPOSAL

Our low-level waste and intermediate-level waste are packed in **steel barrels** that are pressed under very high pressure. Afterwards, they are stored in a secluded, above-ground **repository** in the south of the country. These storages provide adequate protection for public health and safety and the environment.

We use **geological disposal** for our high-level waste. This method isolates the waste deep underground, in a suitable rock volume. We have one geological disposal facility that is highly protected by multiple barriers, to ensure that no harmful quantities of radioactivity will ever escape.

The safety of our stored waste is continuously evaluated and optimised. The methods used for the disposal are technically proven. If you want more information about our radioactive waste management, please go to www.radioactivewastemanagementnucleria.nu