***Did you read the interesting facts when you found Nukie?***



**Use the information from those quick facts to fill in the blanks below.**

**Send your completed page to** [**nodgrsouthbruce@gmail.com**](mailto:nodgrsouthbruce@gmail.com) **or mail to Box 147 Teeswater, Ont. N0G 2S0 for a wee Nukie surprise!**



Currently, there are no operating high-level nuclear waste deep geological repositories (DGR). The only currently operating DGR, for low/intermediate waste is located in the middle of a \_\_\_\_\_\_\_\_\_\_\_\_\_ in \_\_\_ \_\_\_\_\_\_\_\_\_\_. Nobody lives near it and the nearest town is \_\_\_\_\_km away. High-level nuclear waste has never been stored \_\_\_\_\_\_\_\_\_\_\_\_ in a designated repository before. This proposed DGR is an \_\_\_\_\_\_\_\_\_\_\_\_.

Uranium is used to power nuclear reactors. When the \_\_\_\_\_\_\_\_\_\_\_\_\_ no longer makes enough energy, a very dangerous, high-level waste, called \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ remains. After uranium is used in the reactor, to produce energy, it gives off unseen particles called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which can make you sick. That is why the high-level waste has to be stored, in sealed containers, for hundreds of \_\_\_\_\_\_\_\_\_\_\_\_ of years. It takes that long to cool down and reduce the radioactivity to safe levels.

In order for the high-level waste to be placed in a DGR it needs to be \_\_\_\_\_\_\_\_\_\_\_\_\_ at the new site. The \_\_\_\_ \_\_\_\_\_ process used to do this is unproven technology, another experiment.

Radioactivity is a form of \_\_\_\_\_\_\_\_ that cannot be shut off. Nuclear \_\_\_\_\_\_\_\_\_\_ remains dangerous for \_\_\_\_\_\_\_\_\_\_ of thousands of years. The cost to produce \_\_\_\_\_\_\_\_\_\_\_ energy keeps rising while \_\_\_\_\_\_\_\_\_\_\_\_\_ energy costs are getting lower.

***The choices we make today will affect our future generations,***

***our health and our environment.***

Name/s\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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