**Safe and Secure Transportation of Canada’s Used Nuclear Fuel**

**Introduction**

This provides an overview of the transportation activities associated with Canada’s plan to manage the used nuclear fuel that is created through electricity generation. The focus is on the transportation package that will help secure the safe and secure transport of used nuclear fuel, both now and in the future. It will be developed in partnership with Transport Canada and Transport Canada, the Nuclear Waste Management Organization (NWMO) and Transport Canada. The Nuclear Waste Management Organization (NWMO) will work to ensure that the transportation system is developed for the safe and secure transport of used nuclear fuel.

**What is Canada’s Plan?**

Canada plans for the long-term management of used nuclear fuel is based on the Plan Management (CNSC) regulations in Canada. The plan is based on the potential risks associated with the transportation of used nuclear fuel. The plan is based on the potential risks associated with the transportation of used nuclear fuel. The plan is based on the potential risks associated with the transportation of used nuclear fuel.

**What is used nuclear fuel?**

Used nuclear fuel is a by-product of the generation of electricity by nuclear power plants. It contains about 99% of the original radioactive material. The fuel is used in reactors to produce energy, and after use, it is removed from the reactor and stored on-site for a period of time. The fuel is then sent to a deep geological repository for long-term storage.

**Managing risks**

The NWMO has an overall responsibility for the safe transportation of used nuclear fuel. The NWMO is responsible for ensuring that the transportation system is designed and operated in a manner that minimizes risks to people and the environment.

**The NWMO’s roles and responsibilities**

The NWMO will have several responsibilities for the safe transportation of used nuclear fuel. These include:

- Ensuring that the transportation system is designed and operated in a manner that minimizes risks to people and the environment.
- Monitoring and reporting on the transportation system.
- Ensuring that the transportation system is maintained in a safe and secure condition.
- Providing information to the public on the transportation system.

**International experience**

Many countries and organizations have plans for, and experience with, programs for the long-term management of used nuclear fuel. These programs are designed to ensure that used nuclear fuel is safely transported and stored.

**Summary**

- Used nuclear fuel is a by-product of the generation of electricity by nuclear power plants.
- The NWMO is responsible for ensuring that the transportation system is designed and operated in a manner that minimizes risks to people and the environment.
- Many countries and organizations have plans for, and experience with, programs for the long-term management of used nuclear fuel.