



Orano TN

Transportation Casks

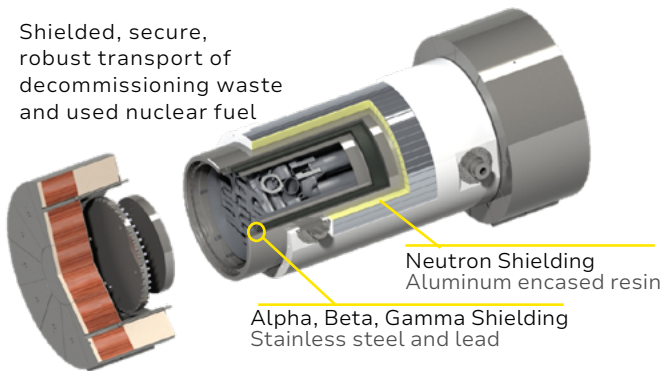
Every year, Orano TN oversees 5,000 shipments of radioactive and nuclear materials.

- From enrichment plants to commercial and research reactor facilities, to waste disposal sites
- Via rail, road, water, air

Our network of nuclear transport experts provide competitive and innovative logistics solutions.

MP197HB Cask

Shielded, secure, robust transport of decommissioning waste and used nuclear fuel



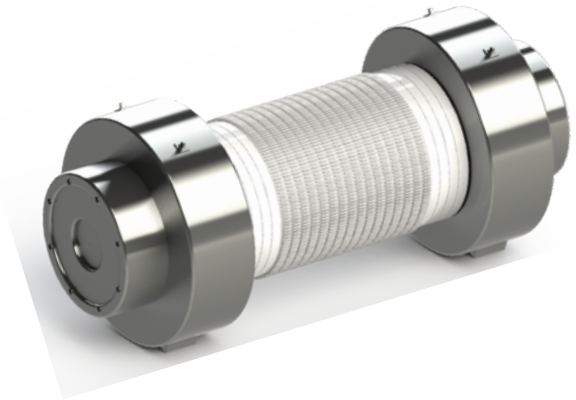
- Transports nine different types of used nuclear fuel canisters
- Transportation of up to
 - 69 intact or damaged BWR fuel assemblies
 - 37 intact or damaged PWR fuel assemblies
- Transports Radwaste Container (RWC) for disposal of irradiated and/or contaminated non-fuel hardware
- Maximum 32kW heat load

BENEFITS

- 60 years of experience
- International experience
- Compatible with rail, road, water transport

TN Eagle® Transport Cask

Approved by the U.S. NRC in November 2023, the TN Eagle is the newest addition to the Orano Type B fleet of transport casks for interim storage or transport of used nuclear fuel.



- Proven design choices (e.g., thick forged body, bolted lid, no welding)
- Almost 10 times fewer components compared to the previous generation of dual-purpose casks
- Neutron absorbing resin with increased long-term resistance to high temperature
- Extremely high capacity (up to 38.4 kW)

IDEAL FOR...

...any facility needing an experienced, flexible, cost-effective system for transporting irradiated fuel and hardware.



The MP197HB Cask on rail car ready for shipment



The TN Long Cask

TN Long Cask (TN-LC)

The TN-LC is an NRC-licensed transport package designed to safely handle used nuclear fuel from

- research reactors,
- commercial reactors (single assembly),
- irradiated pins to support post-irradiation examinations,
- and other irradiated contents.

The TN-LC has been designed to accommodate burnups to 62 GWd/tU for PWR and BWR fuel assemblies, 660 GWd/tU for Materials Testing Reactor fuel assemblies, and 90 GWd/tU for the pins.



For more detailed information on Orano TN casks and transportation capabilities, scan the QR code or click here.

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The TN RAM cask after loading

TN RAM Cask

The proven “workhorse” for transporting irradiated waste, the TN RAM cask has been carrying radiological materials from commercial and federal facilities for more than 30 years. The TN RAM Cask:

- is robust (max 80,000 lbs/36,000 kg)
- carries non-fuel bearing irradiated reactor components and equipment
- can be either loaded underwater or dry, using remote operations
- provides enhanced shielding through the steel-lead-steel construction of the lid and cask body, thus decreasing occupational dose.



The TN RAM cask being placed horizontally for transport



Orano has the technical expertise to efficiently plan for and support all aspects of a HALEU supply chain, including production, storage, transportation and logistics.