



# Transportation Packaging Quick Facts

Office of Environmental Management  
National Transportation Program



**Cask:** TN-8L

**Manufacturer:** Transnuclear, Inc.

**Certification:** U. S. Nuclear Regulatory Commission (NRC) Certification USA/9015/B()F, Revision 20 (expires May 31, 2006)

**General Description:** The TN-8L is a lead-, steel-, and resin-shielded cylinder, stainless steel cask.

**Packaging Type:** B

**Gross Weight:** 79,380 pounds (36,006 kilograms) empty

**Capacity:** 3 pressurized water reactor fuel assemblies; maximum weight of contents (fuel assemblies, component spacers, inserts, irradiated hardware, etc.) must not exceed 4,850 pounds (2,200 kilograms)

**Overall Dimensions:** Length 224 inches (568.9 centimeters), Diameter 67.6 inches (171.7 centimeters)

**Cavity Size:** 3 cubical cavities per cask, each 9 inches x 9 inches x 168.5 inches (23 centimeters x 23 centimeters x 428 centimeters)

**Mode of Transport:** Truck

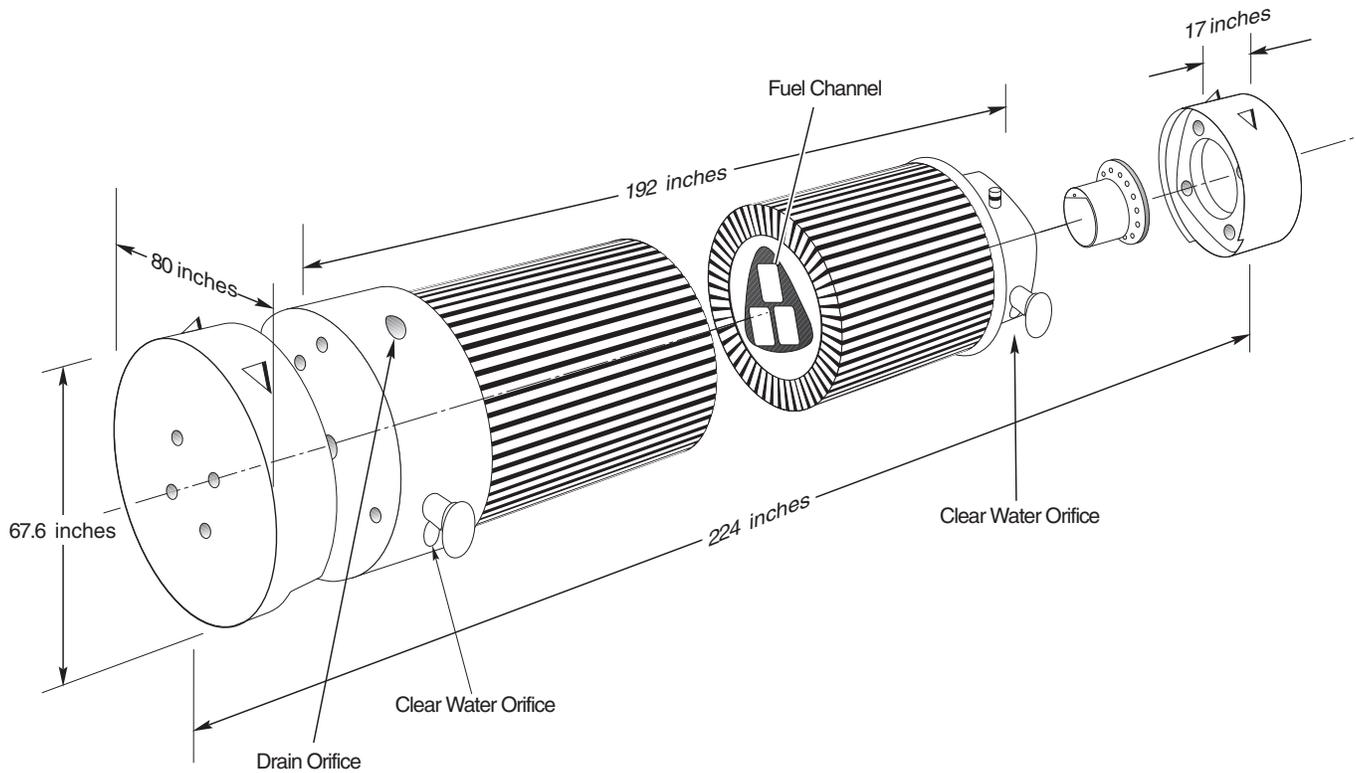
**Use:** The cask is authorized to ship three pressurized water reactor irradiated fuel assemblies. The TN-9 transportation cask (not pictured) is nearly identical to the TN-8L. However, the TN-9 is authorized to ship seven boiling water reactor irradiated fuel assemblies. Both casks are classified as overweight truck casks in highway transport.

**Frequency of Use:** 30 to 50 days per year

**Loading Process:** Authorized for vertical or horizontal loading in wet or dry environment (shipped dry)

**Owner:** Transnuclear, Inc.  
Hawthorne, NY





## TN-8L Shipping Cask

Additional information on DOE's National Transportation Program may be obtained from:

National Transportation Program  
 U.S. Department of Energy  
 Albuquerque Operations Office  
 P.O. Box 5400, MS SC-5  
 Albuquerque, NM 87185-5400

Phone: 505-845-6134  
 Fax: 505-845-5508

Website:  
<http://www.ntp.doe.gov/>

DOE Center for Environmental  
 Management Information  
 P.O. Box 23769  
 Washington, DC 20026-3769

1-800-7EM-DATA  
 1-800-736-3282

Website:  
<http://www.em.doe.gov/>

Transportation Resource Exchange Center  
 ATR Institute  
 University of New Mexico  
 1001 University Blvd., SE  
 Albuquerque, NM 87106-4342

Phone: 1-877-287-TREX (8739)  
 Fax: 505-246-6001  
 email: [trex@unm.edu](mailto:trex@unm.edu)

Website:  
<http://www.trex-center.org/>