



# Transportation Packaging Quick Facts

National Transportation Program

PUBLIC READING ROOM

U.S. DEPARTMENT OF ENERGY

IDAHO OPERATIONS OFFICE



**Packaging:** **TRANSURANIC PACKAGING TRANSPORTER-MODEL II (TRUPACT-II)**

**Manufacturer:** Nuclear Packaging, Inc.

**Certification:** U.S. Nuclear Regulatory Commission (NRC) Certificate Number 9218

**General Description:**

**Packaging Type:** B(U)F

**Gross Weight:** 19,250 pounds (8,732 kilograms) maximum loaded

**Payload Capacity (average):** 6,545 pounds (2,969 kilograms)

**Overall Dimensions:** Diameter 94 inches (244 centimeters), Height 122 inches (305 centimeters)

**Cavity Size:** Diameter 73 inches (180 centimeters), Height 75 inches (180 centimeters)

**Mode of Transport:** Truck, with up to three TRUPACT-IIs on a custom-designed trailer.

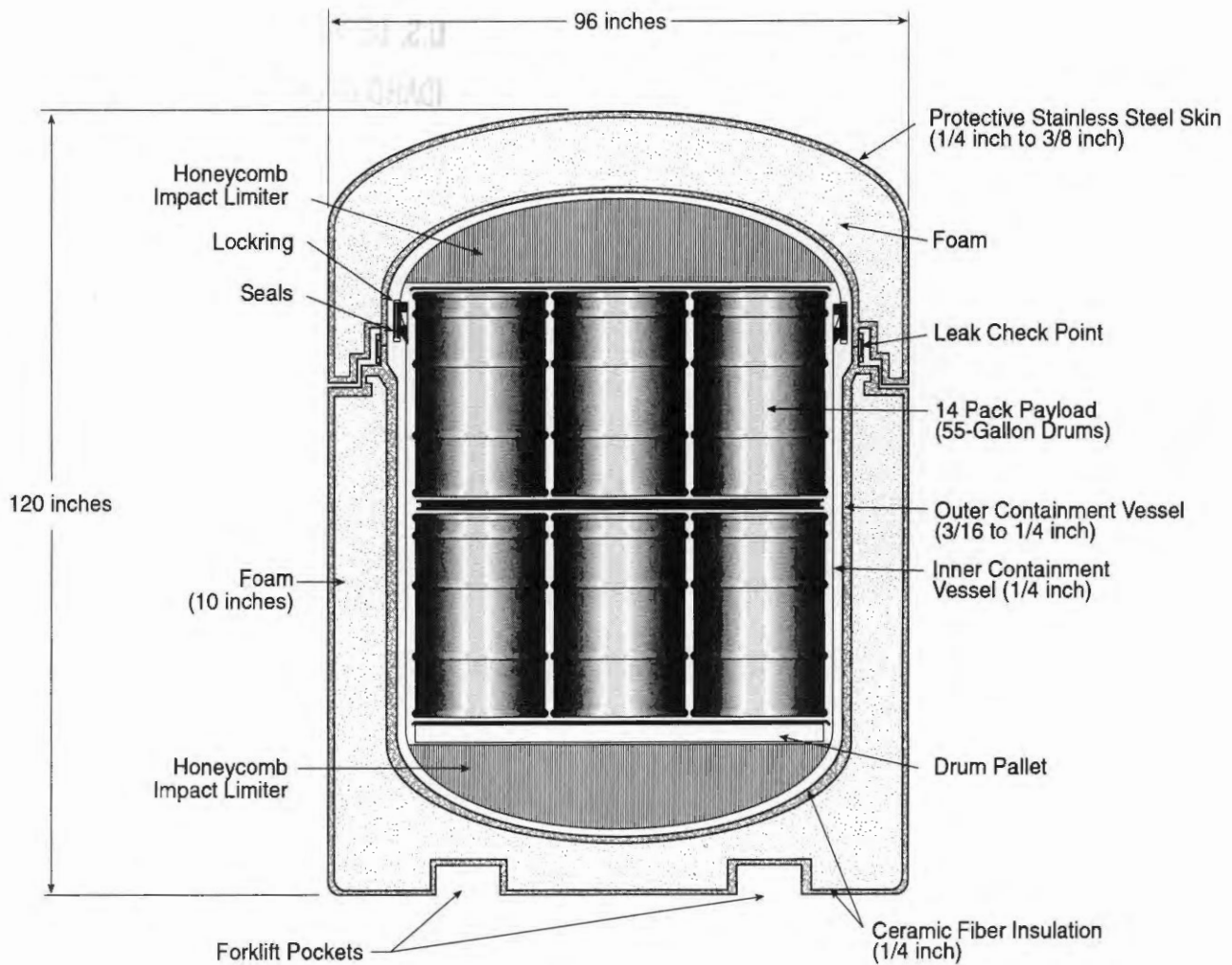
**Use:** The TRUPACT II is an unvented, reusable container designed to ship DOE's transuranic waste. Transuranic waste has low surface radiation levels, 200 millirems per hour or less, and does not require special shielding or remote handling equipment. This "contact handled" waste includes such laboratory refuse as tools, rags, and clothing. The TRUPACT II is designed primarily for use in shipments to the Waste Isolation Pilot Plant (WIPP) near Carlsbad, New Mexico. The container may also be used for intrasite shipments to consolidate waste for small quantity storage sites. The TRUPACT II's protective stainless steel skin covers two stainless steel containment vessels, one inside the other. The outer containment vessel is 3/16-inch (.48-centimeter) to 1/4-inch (.63-centimeter) thick, and the inner containment vessel is 1/4-inch thick. A 10-inch- (25-centimeter-) thick layer of rigid polyurethane foam and 1/4 inch ceramic fiber insulation surrounds the two internal vessels. The container is designed to absorb impact shock and resist fire. It may carry up to fourteen 55-gallon (208-liter) drums, two standard waste boxes, or one ten-drum overpack.

**Frequency of Use:** Up to 850 waste shipments annually

**Loading Process:** Top loading, either on or off the trailer

**Owner:** U.S. Department of Energy





## TRUPACT-II

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

National Transportation Program  
U.S. Department of Energy  
Albuquerque Operations Office  
P.D. 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.D. 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.unm.edu/~trex>