



# Transportation Packaging Quick Facts

Office of Environmental Management  
National Transportation Program



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

**Manufacturers:** NAC International; Westinghouse Engineered Products Department; RANOR, Inc; Nuclear Packaging, Inc.

**Certification:** U.S. Nuclear Regulatory Commission (NRC) Certification USA/9218/B(U)F-85, Revision 11 (expires June 30, 2004)

**General Description:** The TRUPACT-II is an unvented doubly contained, reusable container. The protective stainless steel skin covers two stainless steel containment vessels, one inside the other. The outer containment vessel is 1/4-inch (.63-centimeter) to 3/8-inch (.95-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.

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

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

**Payload Capacity:** 6,545 pounds (2,969 kilograms) average; 7,265 pounds (3,295 kilograms) maximum

**Overall Dimensions:** Diameter 94 inches (239 centimeters), Height 122 inches (310 centimeters)

**Cavity Size:** Diameter 73 inches (185 centimeters), Height 75 inches (190 centimeters)

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

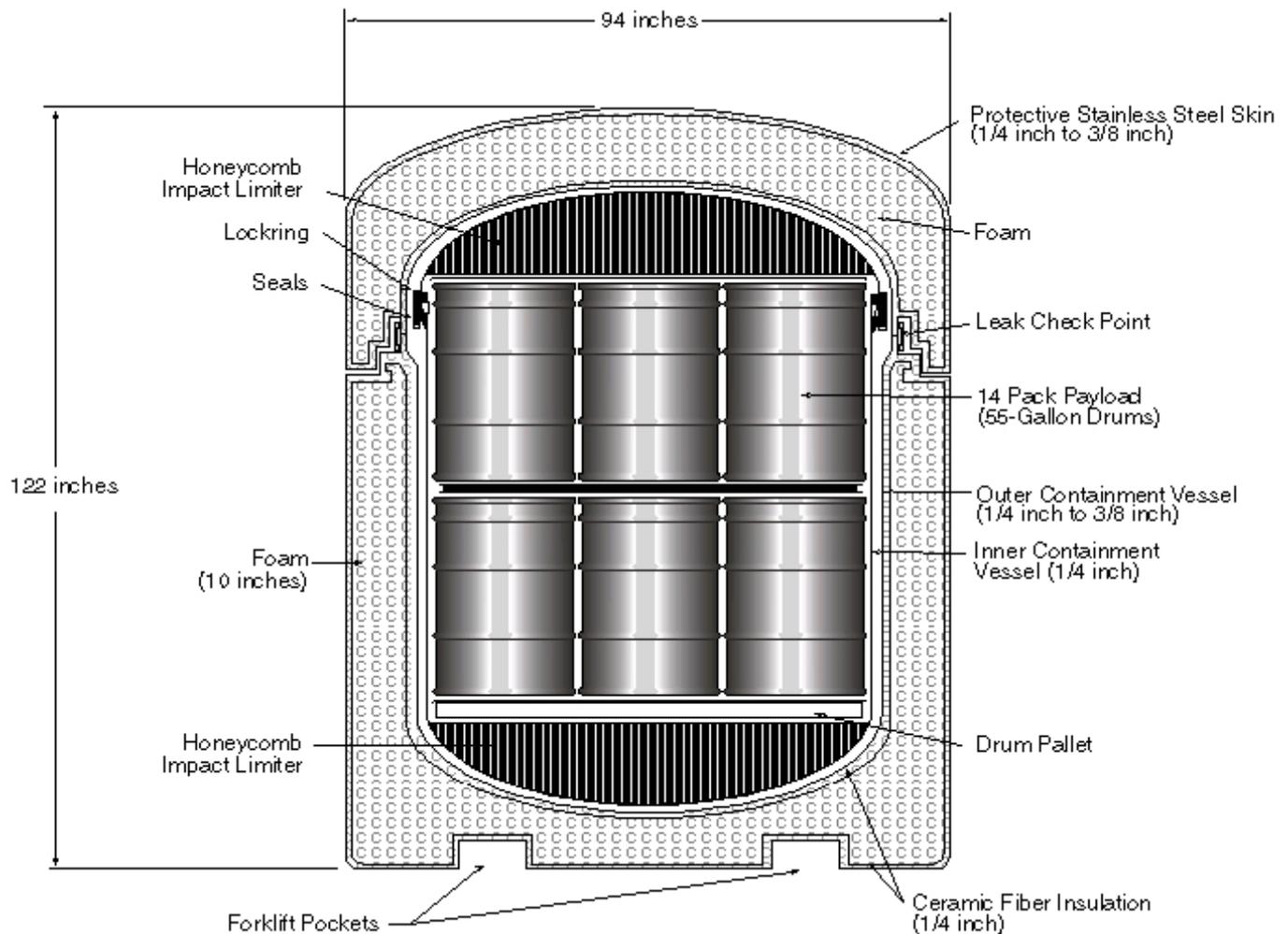
**Use:** The TRUPACT-II was designed to ship DOE's contact-handled transuranic waste which has low surface radiation levels [2.0 millisievert (200 millirem) per hour or less] and does not require special shielding or remote handling equipment. It includes such laboratory refuse as tools, rags, and clothing. The TRUPACT-II was 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. It may carry up to fourteen 55-gallon (208-liter) drums, two standard waste boxes, or one 10-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.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/>