NAC VOLUNTEER: LATEST HIGH-CAPACITY PACKAGING FOR ROAD TRANSPORT

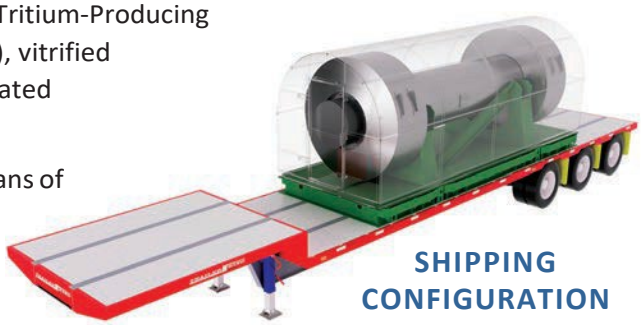
KEY FEATURES

- Versatile and adaptable for different contents
- Optimized shielding and high thermal dissipation
- Designed for ease of operation

NAC International's new high-capacity "Volunteer" Type B(U) transport packaging system brings a new level of capabilities to the transport of Tritium-Producing Burnable Absorber Rods (TPBARs), vitrified high-level waste (HLW), and irradiated hardware.

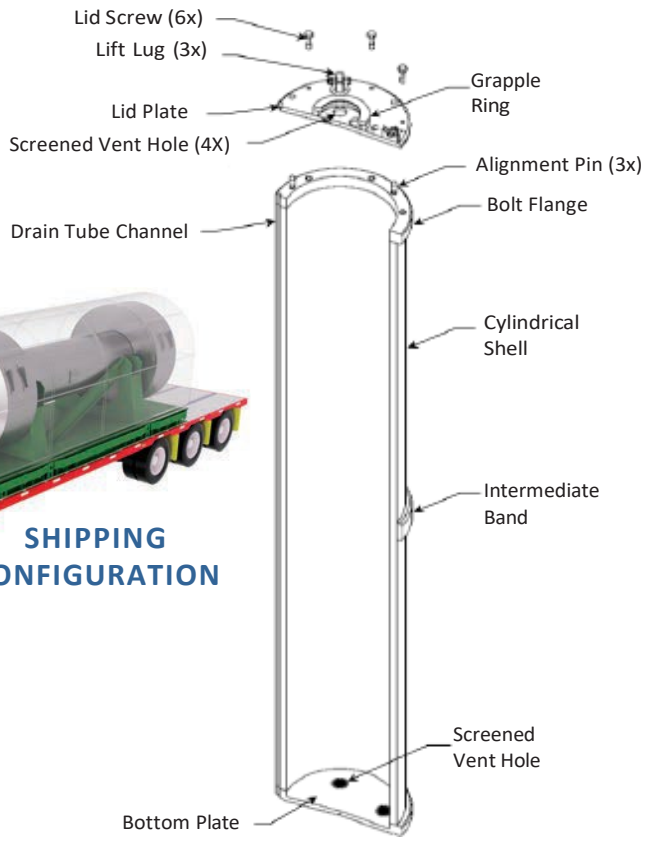
The Volunteer provides a safe means of transporting a wide range of non-fissile or fissile-exempt radioactive material contents. The Volunteer offers long, standard, and short configurations. Each configuration accommodates various contents; TPBAR contents in the standard configuration; vitrified HLW in long, standard, or short length casks; and irradiated hardware in the long or short length configuration.

The primary mode of transportation for the Volunteer is by road, although rail or sea transport modes are also allowed. The first Volunteer cask is currently being fabricated and is targeted to be in service in Q2 2027.



SHIPPING CONFIGURATION

SHIELD LINER ASSEMBLY *(Irradiated Steel)*



CONTENTS	MAXIMUM QUANTITY	MAXIMUM HEAT LOAD
Vitrified HLW Canisters (10 ft and 15 ft)	474 Ci/kg (g) 2.15 Ci/kg (n)	2.75 kW (Short) 4.79 kW (Long)
Irradiated Hardware (Steel)	30,000 Ci (Co 60 activity)	0.47 kW
TPBARs (not for disposal)	1,200 TPBARs	3.30 kW

PACKAGING ATTRIBUTE	VOLUNTEER CONFIGURATION		
	LONG	STANDARD	SHORT
Package ID #	USA/9403/B(U)-96 (HLW, irradiated hardware); USA/9403/B(M)-96 (TPBAR)		
Controls	Exclusive Use		
Cavity Size (in.)	Ø 26.5 x 180.5	Ø 26.5 x 168.5	Ø 26.5 x 120.5
MNOP (psig)	<100 (HLW, irradiated hardware); >100 (TPBAR)		
Outer Dimensions (in.)	Ø 86.0 x 198.5	Ø 86.0 x 186.5	Ø 86.0 x 138.5
Empty Weight (lb.)	73,300	69,400	53,500
Max Content Weight (lb.)	11,500		
Gross Weight (lb.)	84,800	80,900	65,000

CONTACT:
Mike Valenzano, Vice President, Transportation Projects
Phone: +1 678-328-1213 | Contact