

Non-Canistered SNF Storage/Transport Cask Attributes

Vendor	Cask System	Bare Fuel Cask	Storage License Number	Transport License Number	Fuel Type	Damaged/Debris Container Capacity	Total Capacity	Weight Empty (pounds)	Weight Loaded (pounds)	Thermal Limit (kW)	Maximum Burnup (GWD/MTU)	Overall Length (in)	Overall Diameter (in)	Cavity Length (in)	Cavity Diameter (in)	Lid Thickness (in)	Bottom Thickness (in)	Cask Body Material	Basket Material	Neutron Shield Material (Side)	Neutron Shield Material (Lid)	Neutron Shield Material (Bottom)	
GNS	CASTOR V/21	CASTOR V/21	SNM-2501		PWR	0.00	21.00	204,000	234,000	21.0	35.0	192.40	93.90	163.50	60.10	15.00	18.10	Ductile Cast Iron (Ni-plated cavity)	Stainless Steel/Borated Stainless Steel	Polyethylene	Polyethylene	Polyethylene	
	CASTOR X/33	CASTOR X/33	SNM-2501		PWR	0.00	33.00	168,000	212,000	16.6	35.0	189.00	94.50	161.40	70.00	15.00	12.60	Ductile Cast Iron (Ni-plated cavity)	Stainless Steel/Borated Stainless Steel	Polyethylene			
Westinghouse	MC-10	MC-10 (BWR)	72-1001		BWR	0.00	49.00	205,600	239,600	13.5	35.0	188.00	107.30	162.60	68.00	8.50	10.00	Low Alloy/Forged Steel	Stainless Steel Grid/Stainless Steel Storage Cells/ Boral Plates	BISCO NS-3	BISCO NS-3	BISCO NS-3	
		MC-10 (PWR)	72-1001 (Note 1)		PWR	0.00	24.00	205,600	239,600	13.5	35.0	188.00	107.30	162.60	68.00	8.50	10.00	Low Alloy/Forged Steel	Stainless Steel Grid/Stainless Steel Storage Cells/ Boral Plates	BISCO NS-3	BISCO NS-3	BISCO NS-3	
NAC	NAC I28 S/T	NAC I28 S/T	SNM-2501		PWR	0.00	28.00	166,000	206,000	17.4	35.0	181.30	94.00	165.00	64.80	8.50	8.80	Stainless Steel/Lead	Al Grid/Al Storage Cells/Boral Plates	GESC NS4FR	GESC NS4FR		
TransNuclear	TN-32	TN-32	72-1021		PWR	0.00	32.00	184,600	231,000	32.7	40.0	184.00	97.75	163.25	68.75	10.50	10.25	Carbon Steel Containment with Multi-Layer Carbon Steel Shielding	Stainless Steel/Borated Aluminum/Aluminum	Borated Polyester Resin	Polypropylene		
		TN-32A	72-1021		PWR	0.00	32.00	184,800	231,200	32.7	40.0	184.00	97.75	164.38	68.75	9.38	10.25	Carbon Steel Containment with Multi-Layer Carbon Steel Shielding	Stainless Steel/Borated Aluminum/Aluminum	Borated Polyester Resin	Polypropylene		
		TN-32B	72-1021		PWR	0.00	32.00	184,800	231,200	32.7	40.0	184.00	97.75	163.25	68.75	10.50	10.25	Carbon Steel Containment with Multi-Layer Carbon Steel Shielding	Stainless Steel/Borated Aluminum/Aluminum	Borated Polyester Resin	Polypropylene		
	TN-40	TN-40	SNM-2506	71-9313		PWR	0.00	40.00	164,600	226,000	27.0	45.0	175.00	99.52	163.00	72.00	10.50	10.25	Carbon Steel	Stainless Steel/Borated Aluminum/Aluminum	Borated Polyethylene Resin	Borated Polypropylene	
		TN-40HT	SNM-2506			PWR	0.00	40.00	189,343	242,343	32.0	60.0	170.00	101.00	163.00	72.00	10.00	8.75	Carbon Steel	Stainless Steel/Aluminum/neutron absorber plates	Borated Polyethylene Resin	Borated Polyethylene Resin	Borated Polyethylene Resin
	TN-68	TN-68	72-1027	71-9293		BWR	8.00	68.00	192,100	230,000	21.2	40.0	197.25	98.00	178.00	69.50	9.50	9.75	Carbon Steel	Stainless Steel/Borated Aluminum/Aluminum	Borated Polyester Resin	Polypropylene	

Notes:

1. The MC-10 cask is licensed under site specific license SNM-2501 for storage at Surry.