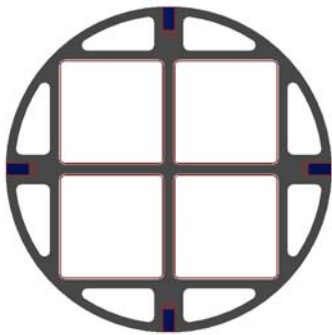
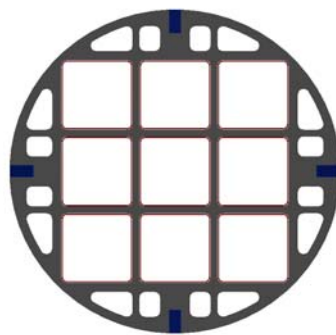


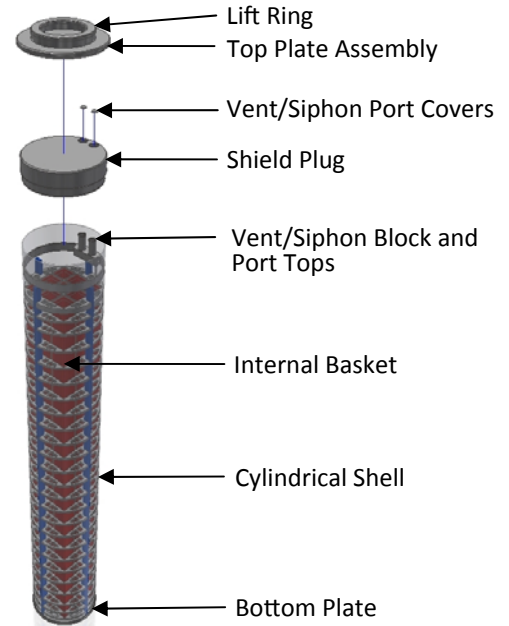
SMALL STANDARDIZED, TRANSPORTATION, AGING AND DISPOSAL (STAD) CANISTER SYSTEM FOR SPENT NUCLEAR FUEL



Cross section of Internal Basket for 4 Pressurized Water Reactor (PWR) Fuel Assemblies



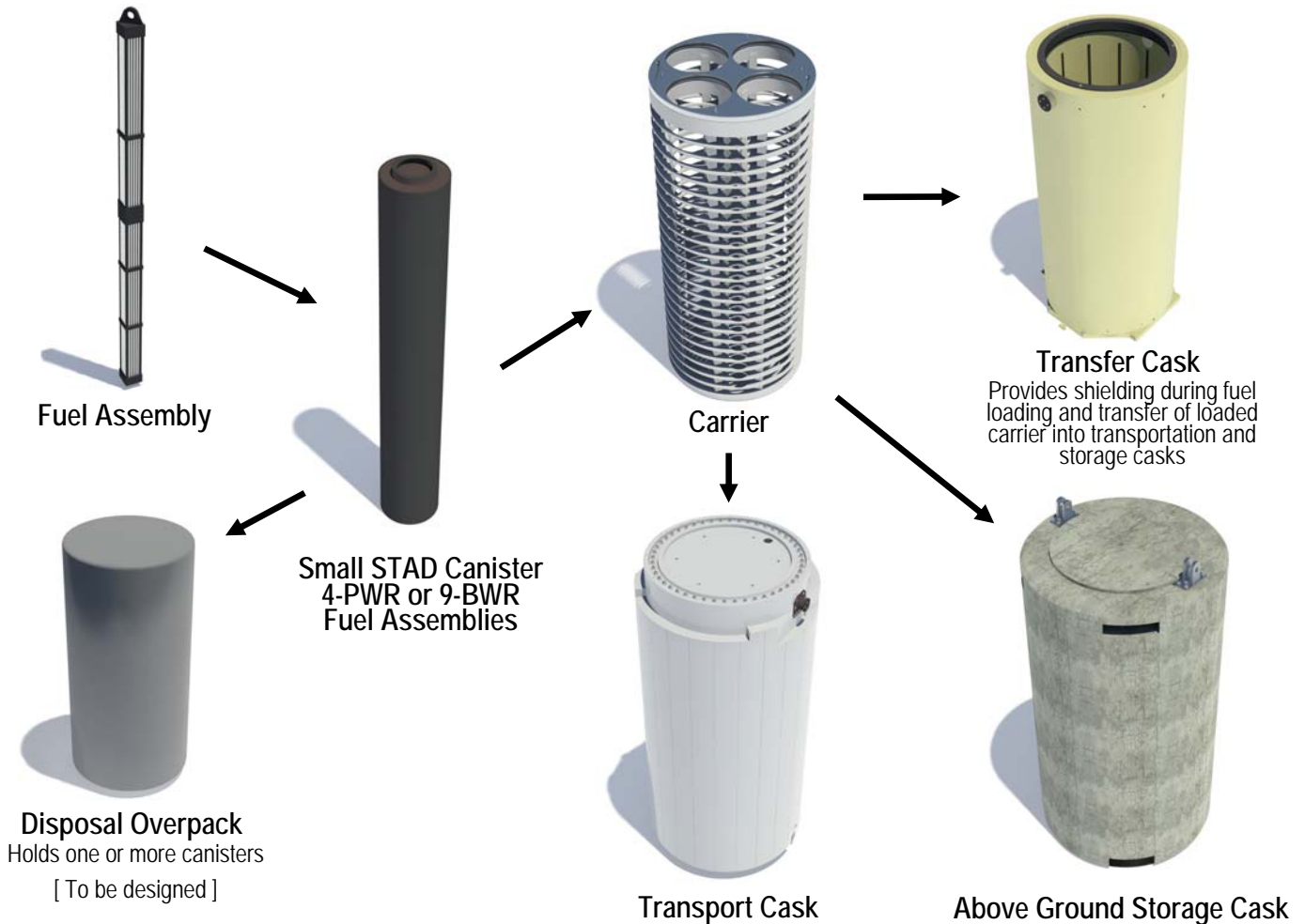
Cross section of Internal Basket for 9 Boiling Water Reactor (BWR) Fuel Assemblies



STAD Canister

Canister is Triple-Purpose: Can be used for Storage, Transport and Disposal

AN INTEGRATED SYSTEM FOR TRANSFER, STORAGE, TRANSPORTATION AND DISPOSAL



STAD CANISTER SYSTEM FOR SPENT NUCLEAR FUEL MANAGEMENT

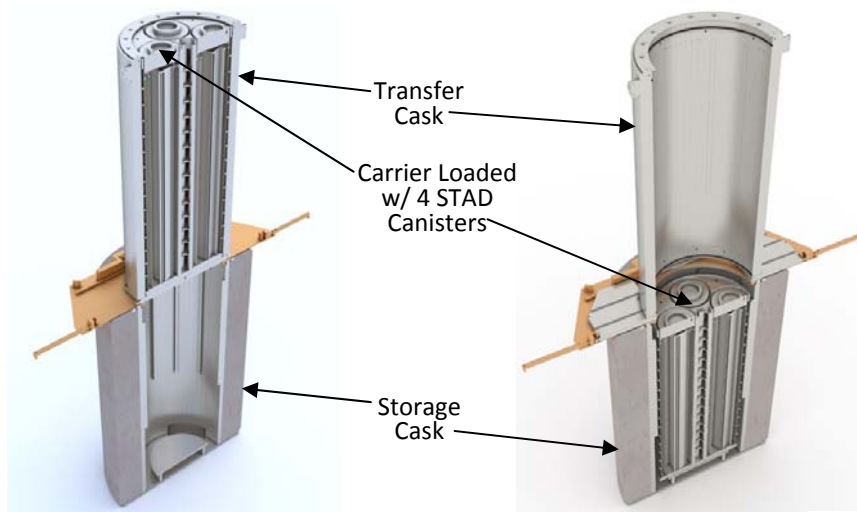
Key System Characteristics

Parameter	*Canister	Transfer Cask	Transport Cask	Storage Cask
Capacity (assemblies)	4 PWR/9 BWR	16 PWR/36 BWR	16 PWR/36 BWR	16 PWR/36 BWR
Thermal Capacity (kilowatts)	8	32	24	32
External Length (inches)	196	204	**219	222
External Diameter (inches)	29	108 (max)	106	144
Cavity Length (inches)	180	198	201	200
Cavity Diameter (inches)	29	78	78	85
Weight Loaded (lbs)	13,280 (4-PWR) 13,804 (9-BWR)	***251,593 (16-PWR) ***253,333 (36-BWR)	**294,686 (16-PWR) **313,686 (36-BWR)	343,920 (16-PWR) 346,016 (36-BWR)
Weight Empty (lbs)	6,380 (4-PWR) 7,450 (9-BWR)	***147,500	212,266	267,000

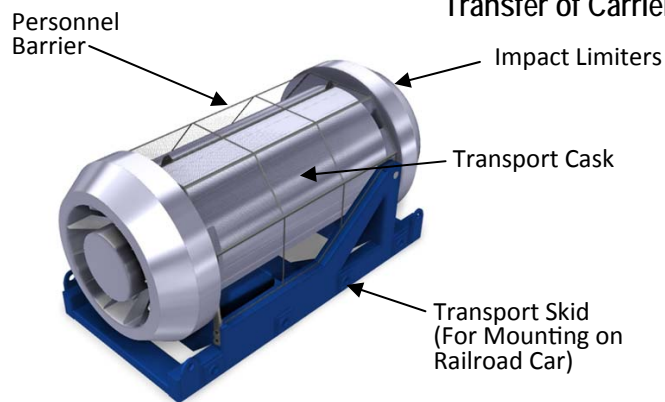
*Primary Material of Construction: Canister Shell - ASME SA-240, Type 316L Stainless Steel

**The weight load and length of the Transport Cask is w/o impacts limiters.

***Preliminary weights: Target maximum loaded weight for final design is 250,000 lbs



Transfer of Carrier to Storage Cask



Transport Cask
(Shown horizontal on skid)



Transport Cask & Carrier Loaded
with 4 STAD Canisters
(Shown vertical w/o impact limiters)