

NAC Solutions: Spent Fuel Storage and Transportation Cask



NAC STC Cask—Transport-Ready, Licensed for Standard Fuels

U.S. NRC Certificate of Compliance No. 71-9235, Revision 18



The NAC-STC is a steel/lead/steel multi-wall cask, licensed for the storage and transport of canisters and directly-loaded intact PWR spent fuel assemblies. The NAC-STC closure design provides dual lids for transport and storage operations, as well as protection of the vent and drain ports located within the inner lid. Both lids are installed during transport and storage. The NAC-MPC spent fuel storage system utilizes the NAC-STC transport cask for off-site transportation of canisters. Impact limiters made of redwood and balsa wood, encased in stainless steel, are attached to each end of the cask for added protection during shipping. The package is shipped in a horizontal position. The NAC-STC is licensed for transport under U.S. Nuclear Regulatory Commission (NRC) Certificate of Compliance (CoC) No. 71-9235, Revision 18.



For More Information:

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NAC-STC Specifications		NAC-STC Features:
Capacity:	26 PWR (6.5 yr. cooled) intact fuel assemblies	First and only modern NRC-licensed, rail-sized, dual-purpose cask routinely used in commercial spent fuel shipments
Length:	Overall—193 in. Cavity—165 in.	
Diameter:	Overall—99 in. Cavity—71 in. Impact Limiters—124 in.	Meets all U.S. NRC, DOT and IAEA requirements
Weight:	Loaded—116 tons (26 PWR assemblies) Empty—97 tons Transport—125 tons	High capacity—26 PWR assemblies

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