A complete Dry cask shielding solution, from the dry cask lead shield, which is standardized for each cask manufacturer and robotic welding system, to the transfer cask shield bell. NPO also offers skirt shielding for lateral and general area dose impact. Also available are specialty storage containers and lead snakes for gaps or for the annulus area.

- Install dry cask lead shield in less than 5 minutes.
- Cut dose with dry cask lead shield by 65 percent.
- Eliminate streaming with dry cask lead shield’s optimal size.
- Provide gamma and neutron shielding with transfer cask shield bell.

**Dry Cask Lead Shield**

The ultra high-density lead shielding is optimally sized for fit, coverage and ergonomics, and includes a high-temperature alpha maritex cover. The 700lb. (approx.) dry cask provides an approx. gamma 0000 transmission of 33% (factor of 3 reduction). Modular pieces allow for removal only in the required areas to maximize dose reduction.

**Transfer Cask Shield Bell**

Comprised of a 1-inch thick carbon steel cylinder providing gamma shielding and multiple layers of a high density, 5% borated polyethylene that provides neutron shielding. This 4800 pound bell sits 33” high and has an OD of 90”. Included: four swiveling hoist rings for overhead lifting; an opening for accessing the drain; a vent port; fasteners on the inside of the bell; and a coating, inside and out, of two-part epoxy finish. Approx. gamma transmission is 33% (factor of 3 reduction) and approx. neutron transmission is 5% (factor of 20 reduction).