

8.2.5 Shielding

A shielding integrity test using gamma scan or equivalent shall be performed after fabrication, and a shield effectiveness test shall be performed following initial loading. See paragraph 8.1.5. Dose rate measurements are required to be taken prior to each shipment. There are no periodic shield effectiveness tests required.

8.2.6 Thermal

There are no thermal tests required for the TN-FSV.

8.2.7 Impact Limiter Humidity

A humidity test shall be performed on the impact limiters to assure that no water has leaked into the impact limiter and that the wood has maintained the proper moisture content. The humidity test is described in Section 8.1.3.3. Prior to use, the cask shall have been tested within the preceding 12-month period.

8.2.8 Miscellaneous

The lid bolts, vent cover bolts and drain cover bolts (if removed) shall be replaced after every 250 round trip shipments to preclude fatigue failure.