

## Most U.S. thin-walled welded canisters in use less than 10 years

### Age, number and location of canisters

Year canister loaded (number, current age)	Cumulative canister total	Location Bold indicates first year loaded in that state. Waste is still in these states.
1989 (8,27)	8	<b>SC</b>
1990 (4,25)	12	SC
1991 (9,24)	21	SC
1992 (7,23)	28	SC
1993 (6,22)	34	<b>MD,SC</b>
1994 (11,21)	45	MD,SC
1995 (7,20)	52	MD,SC
1996 (14,19)	66	<b>MD,OH,SC</b>
1998 (9,18)	75	MD
<b>1999 (10,17)</b>	<b>85</b>	<b>PA,SC,TN</b> ( <i>Koeberg tank in South Africa leaked in 17 years</i> )
2000 (31,16)	116	<b>GA,IL,MD,SC,TN</b>
2001 (35,15)	151	<b>CA,GA,IL,SC,TN</b>
2002 (82,14)	233	CA,GA,IL, <b>MA,MD,ME,MI,NJ,NY,SC,TN,WA</b>
2003 (133,13)	366	<b>AR,AZ,CA,GA,IA,IL,MA,MD,ME,MI,NJ,OR,SC</b>
2004 (116,12)	482	AR,AZ,CA, <b>CT,GA,IL,ME,MI,NC,ND,NJ,PA,SC,TN,WA,WI</b>
2005 (89,11)	571	<b>AL,AR,AZ,CA,CT,GA,IL,LA,MD,MI,NY,NC,NJ,SC,TN</b>
2006 (76,10)	647	AL,AR,AZ,CT, <b>DE,GA,IL,LA,MD,MS,NC,NE,SC,TN,WI</b>
2007 (67,9)	714	AL,AR,AZ,CA,CT,DE,GA,IL,LA,MD,SC,TN, <b>VA</b>
2008 (144,8)	858	AL,AZ,CA,DE, <b>FL,GA,IL,LA,MD,MI,MN,MS,NC,NH,NY,PA,SC,TN,VA,VT,WA</b>
2009 (127,7)	985	AL,AR,AZ,CA,CT,GA,IL,MD,ME,MS,NC,NE,NY,PA,SC,TN,VA,WI
2010 (140,6)	1125	AL,AR,AZ,CA,CT,DE,FL,GA,IL,LA,MD,NE,NJ,NY,PA,SC,TN,VA,WI
2011 (152,5)	1277	AL,AZ,CA,DE,FL,GA,IA,IL,LA,MD,MI,MS,NE,NY,PA,SC,TN,VA,VT,WI
2012 (154,4)	1431	AL,AZ,CA,CT,DE,GA,IL,LA,MD,MI,NJ,NY,OH,PA,SC,TN,TX,VA,VT,WI
2013 (74,3)	<b>1505</b>	AZ,DE,FL,GA,IL,MS,NY,PA,SC,TN,VA

Majority of canisters have thin (1/2") walls. San Onofre has 5/8" thin wall canisters. 2013 total includes only first 6 months of 2013. Majority of these thin canisters have been in use less than 10 years. These thin wall stainless steel canisters cannot be inspected, repaired, maintained and are not designed for retrievability or inspection of spent fuel waste. Thin canisters cannot be transported with partial cracks per NRC regulations. Nuclear Waste Policy Act requires monitored retrievable storage. Thin canisters do not meet that requirement. Only thick bolt-ed lid casks (10" to almost 20" thick) do. Chart excludes 249 U.S. thick walled (10" to 14") bolted-lid casks. Sources: DOE EIA 6/30/2013 ISFSI inventory, NRC.gov ML12319A440, ML14258A082, ML14258A081, SanOnofreSafety.org 6/26/2016