

## Great Lakes Binational Toxics Strategy - Mercury

**Third Annual Report of the Chlorine Institute  
Table 1: Chlor-Alkali Mercury Cell Process - USA Only**

	1990	1991	1992	1993	1994	1995	Average 1990-95	1996	1997	1998	1999
Total Mercury Purchases - pounds	407,890	330,209	231,872	133,219	268,731	406,517	296,406	242,015	320,460	340,658	214,749
Total Mercury Purchases - tons	204	165	116	67	134	203	148	121	160	170	107
US Gov Hg Consump data (C/A)-tons	272	203	230	0	149	170	204	150	176	No longer being reported	
Total Mercury Used - pounds	443,024	350,702	296,292	207,066	291,077	330,488	319,775	273,659	232,056	208,863	176,769
Total Mercury Used - tons	222	175	148	104	146	165	160	137	116	104	88
Annual Cl <sub>2</sub> Capacity - Tons/yr	1,757,080	1,757,080	1,757,080	1,757,080	1,757,080	1,762,080	1,757,913	1,783,580	1,800,886	1,784,797	1,675,753
Total number of Hg cells	762	762	762	762	762	762	762	762	762	762	706
Mercury Used- pounds/ton of Cl <sub>2</sub> Cap.	0.252	0.200	0.169	0.118	0.166	0.188	0.182	0.153	0.129	0.117	0.105

Note: 1 ton = 2,000 pounds

Aug 9, 1999 - Adjusted Pioneer's Hg purchases for 1997. Refer to memo from Pioneer May 28, 1999.

The format for the 1999 data is per the approach suggested by EPA. The 1999 data exclude the Georgia Pacific and the Holtra Chem - North Carolina facilities which shutdown during 1999. Any mercury transferred from these facilities sold or transferred to another chlor-alkali facility is considered a purchase by the receiving facility. Mercury sold by these idled facilities to a mercury broker has not been credited back to the chlor-alkali industry. Data prior to 1999 include data for the fourteen facilities operating when the commitment was made.