



**NORTH AMERICAN COMMISSION  
For  
ENVIRONMENTAL COOPERATION  
(NACEC)**

**North American Regional Action  
Plan on Mercury**

**Canadian/USA Mercury  
Inventories**

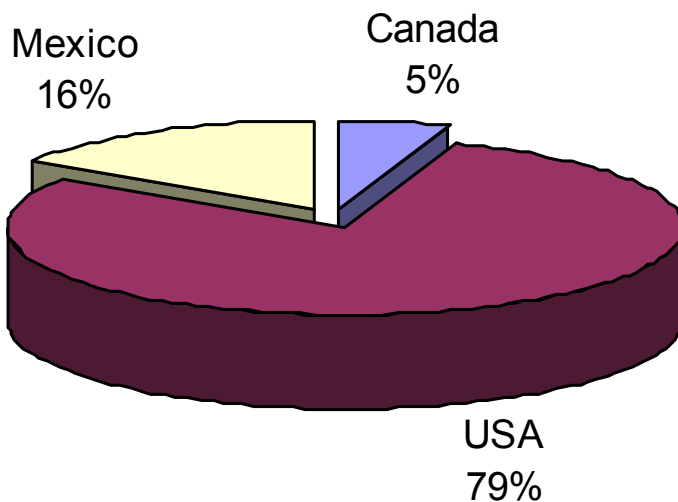
**SMOC/PRTR Meeting**

Cuernavaca, Morelos, Mexico October 17<sup>th</sup>, 2002



# Atmospheric Mercury

## North American Mercury Emissions



Approximate total was 200 tonnes in 1999/2000



# Elemental Mercury

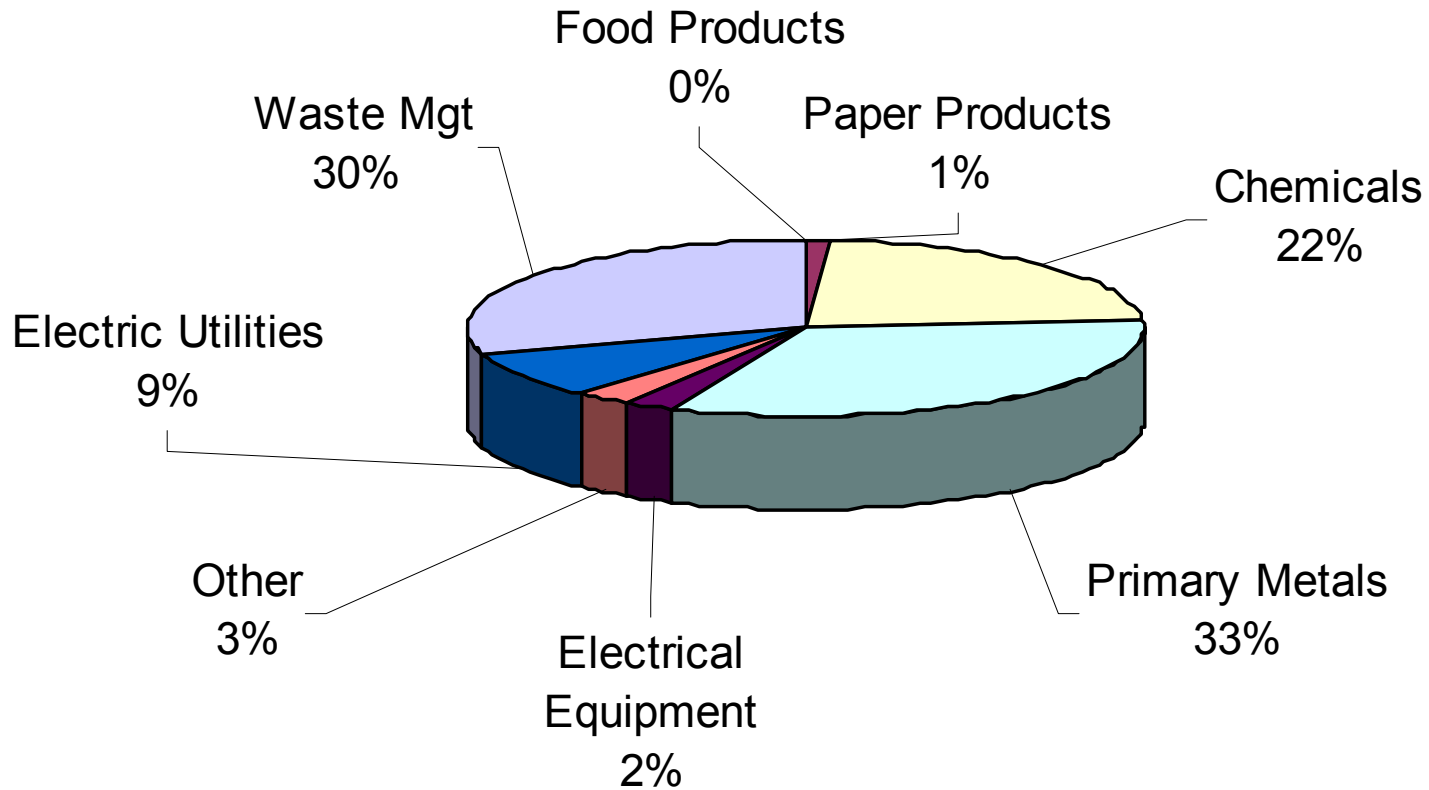
## How much and where\*

- Chlor-alkali(1996) - 3500 tonnes
- Auto switches - 210 tonnes
- Dental amalgam waste - 20 tonnes
- Thermostats - 3 tonnes
- Other - 1000 tonnes
- Estimated total 4500 - 5000 Tonnes

\* Canada/USA, not including US DOD Stockpile

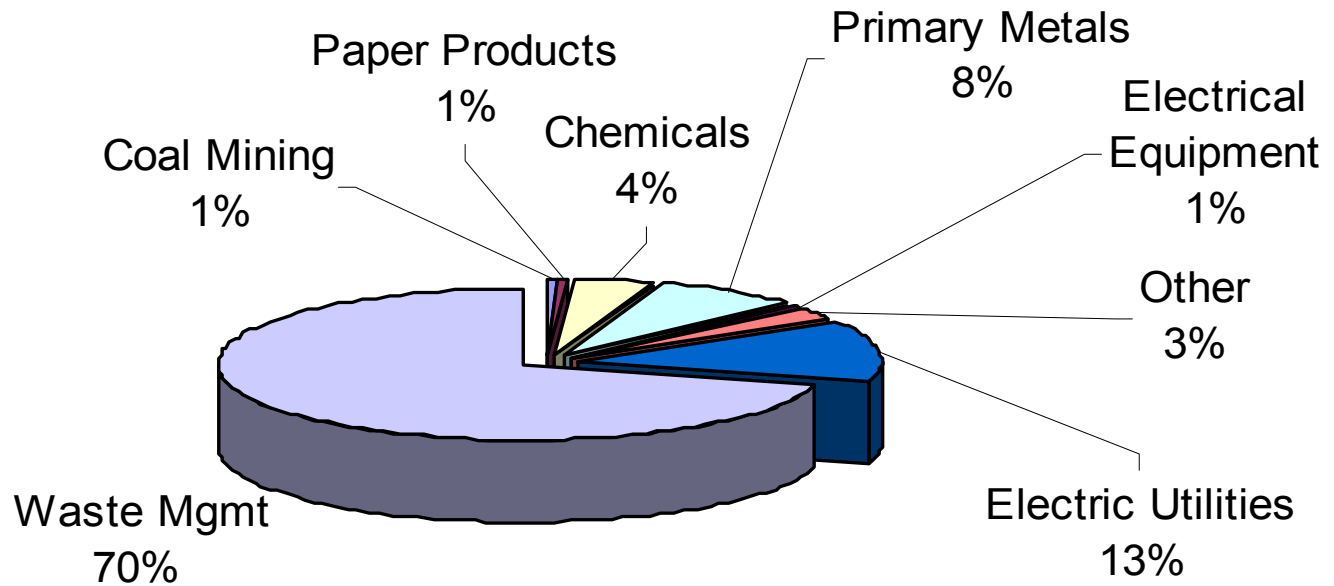


# Canadian Mercury Data (NPRI, 2000)





# USA Mercury Data (TRI, 2000)





# Canadian Mercury Emissions Trend

- Initial inventory estimated at ~ 80 tonnes
- Early 1970's, closures of Cl-Alkali and Hg mining
- Paints, batteries and lamps help downward trend
- Base metal process change, early 1990's
- Canada-wide standards initiated in 1998

