









## **Priority Products and Sectors**

#### **Products**

- Dental Amalgam
- Switches, Relays & Control Devices
- Fever Thermometers
- Lamps
- Thermostats



#### Sectors

- Industry/Manufacturing
- Schools
- Steel Manufacturing
- Healthcare/ Veterinary care
- Households (including button cell batteries)



# **Recommendations-- 59**

- Bans on sale of some mercury-containing products
  - Thermostats
  - Switches, relays and measurement and control devices (with a mechanism to allow for exceptions)
  - Fever thermometers
  - Button cell batteries (by 2011)
- 0
- Ban on mercury use in schools
- State government purchasing policies to avoid mercury where appropriate





- Promote better practices through education, cooperation, voluntary programs
  - Dental school and continuing dental education programs on best management practices
  - Removal of bulk elemental mercury from dental offices
  - Expanded household hazardous waste program availability
  - Education and outreach to general public, hospitals, veterinary clinics, schools, scrap recyclers, steel makers, heavy industry
  - Participation in National Vehicle Switch Recovery Program

## Implementation

- Workgroup formed to share information about implementation/ discuss priorities.
- Each state has already taken significant actions to implement recommendations.
- Each state has recommendations that it has not begun to address.
- Report on Implementation Progress— Summer 2010

### Mercury in Product Phase-Down Strategy Team

Randy Case & Jon Heinrich (WI), John Gilkeson (MN), Jane Greber, DanLapato, Glenn Mitzel & Sharon Trostle (PA), Kevin Greene, Becky Jayne & Debra Jacobson (IL), Marcia Horan & Steve Kratzer (MI), William Narotski (OH), Peter Pettit (NY), Pat Daniel & Karen Teliha (IN), Diane Thompson (City of Superior), Reggie Cadotte, Matt Hudson, Kelley James McKnight & Ann McCammon Soltis (GLFWC), Jennifer Dale & Mike Ripley (Chippewa Ottawa), David B Jones (Nottawaseppi Huron Band of Potawatomi), Sylvia Patterson (Seneca Nation), Gretchen Watkins (Lac Du Flambeau Band of Chippewa), Dan Tadgerson (Sault Sainte Marie Tribe), Deb Jacobson (GLRPPR) Alexis Cain, Jessica Winter, Sania Tong-Argao & Edwin Smith (USEPA).



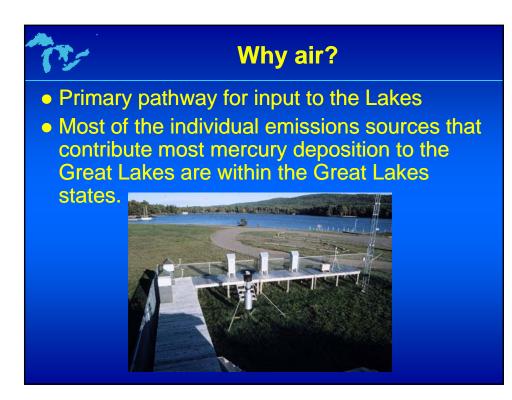
### Great Lakes States' Mercury Emissions Reduction Strategy • Great Lakes Regional Collaboration Executive Committee, October 2007 • Goal: to "produce institutionalized activities

to sustain mercury emissions reduction" from unregulated sources, and regulated sources with potential for additional reduction

• Council of Great Lakes Governors sent letters to Great Lakes states' Environmental Directors requesting state representative appointments from air programs (11/08)



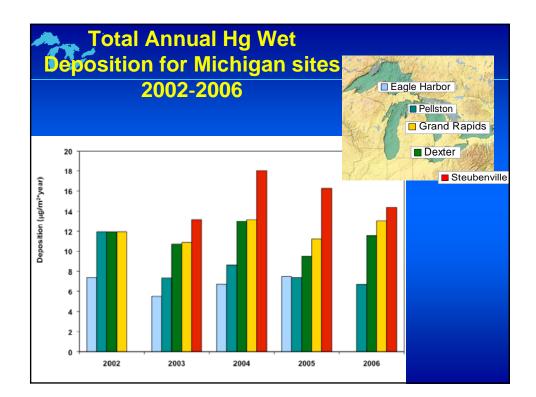


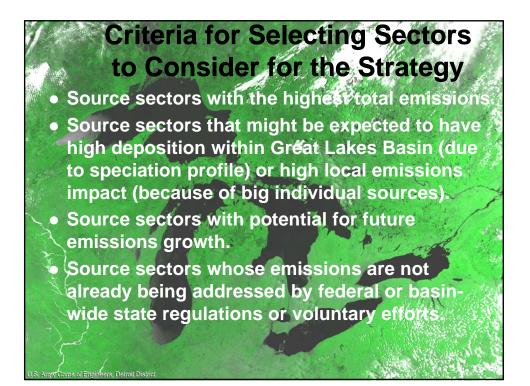


# U.S. EPA REMSAD MODEL

Table B: Percentage of Mercury Deposition within State Resulting from Sources of Various Types, at the Site of Maximum Impact from Within-State Sources

	Within- state	Neighboring States	Other U.S.	Canada/ Mexico	Background	Re- emissions
NY	45.6	4.7	10.3	5.7	32.2	1.5
PA	89.8	1.6	1.2	0.1	9.2	0.4
IL.	56.3	5.8	3.7	0.1	32.6	1.4
IN	56.7	7.5	3.4	0.1	35.3	1.9
MI	61.7	3.2	3.4	2.0	28.4	1.3
MN	55.4	0.4	3.3	0.2	39.2	1.5
OH	42.2	10.2	4.5	0.2	45.7	3.1
WI	50.9	2.3	3.5	0.1	41.6	1.6





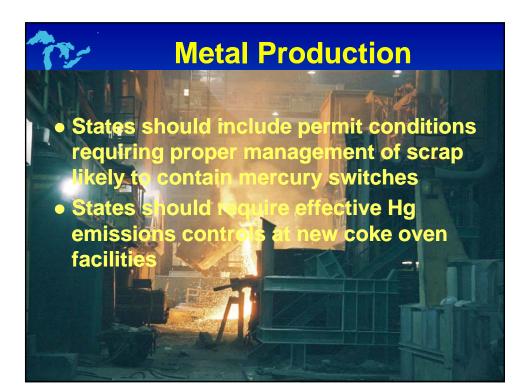
# Focus on 7 Broad Sector Categories

- Utility boilers
- Non-Utility fuel combustion
- Mercury cell chlor-alkali plants
- Metals production
- Mercury emission related to product use and disposal
- Cement production
- Waste incineration



















# **Public Review Process**

- Approval by Governors' Offices
- Currently under public review 10/09 – 12/09
- Comments on Strategy due: 1/12/10
- Deb Jacobson: <u>djacobson@istc.illinois.edu</u> (630) 472-5019
- To GLRC Executive Committee & "Response to Comment"

#### Mercury Emission Reduction Strategy Technical Team

Jon Bates, Brian Wolff (IN), John Booser, Steve Gross, Dan Husted, Daniel Lapato, Glenn Mitzel, Sharon Trostle (PA), Ned Brooks (MN), Marty Burkholder (WI), Shelly Cabrera (USEPA), Steve DeSantis, Tom Gentile, Rick Leone, Ron Stannard, Steve Yarrington (NY), Jon Heinrich (WI), Anne Jackson (MN), Frederick Jones (OH), Dennis McGeen, Joy Taylor Morgan (MI), Tammy Mitchell, Dixon Nwaji, Jim Ross (IL), Deb Jacobson (GLRPPR), Alexis Cain (USEPA).





# Send Strategy comments to:

Comments on Strategy due 1/12/10 to: Deb Jacobson. djacobson@istc.illinois.edu (630) 472-5019

Mercury Emissions Reductions Strategy Available at:

http://www.glrc.us

http://glrppr.org

