



*Environment Canada
National Mercury Programs Update*

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Environment Canada
Environnement Canada

Canada

Mercury Management in Canada

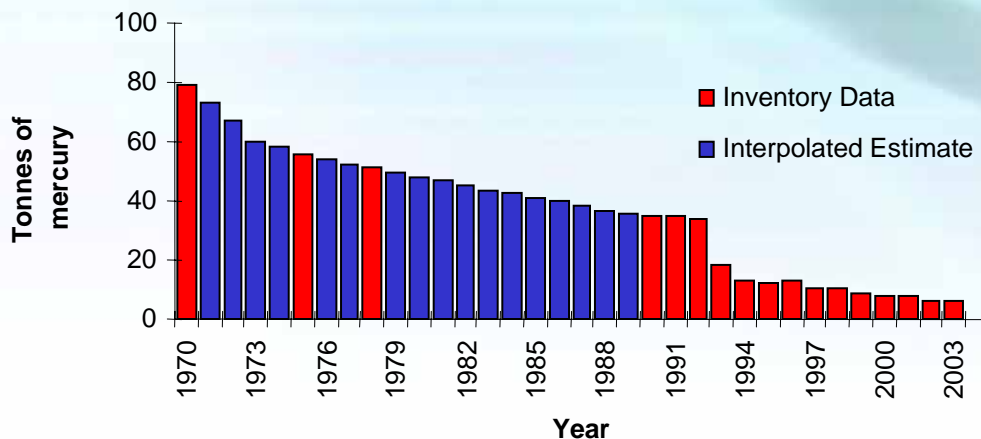
The Government of Canada continues to:

- **Be engaged in a number of initiatives domestically and internationally to reduce mercury releases**
- **Monitor mercury emissions, deposition and impacts;**
- **Use a mix of regulatory and non-regulatory measures and a range of federal legislation which is complemented by provincial and municipal actions.**

Mercury Management in Canada

Canada first recognized the need to take action on Mercury in the 1970's.

Canadian Mercury Emissions Trend (1970- 2003)



Domestic emissions have since been reduced by 90% through regulations under several Acts of Parliament, Canada-Wide Standards, individual Provincial/Territorial actions and other measures.

Mercury Switches in End-of-life Vehicles

- **Mercury switches used until 2003**
- **A legacy of *up to 10 tonnes* of mercury remains in on-road vehicles**
- **Mercury is released during the recycling of the vehicles when they are crushed, shredded and scrapped to produce recycled steel**
- **Steel recycling is the 4th largest mercury emission source in Canada (~500 Kg/y)**
- **In June, 2006, federal Minister of Environment announced that she would use the Pollution Prevention Planning provisions of the *Canadian Environmental Protection Act, 1999 (Part 4)*, to manage the issue**



Summary of Legal Obligations Under CEPA 1999 Part 4

Companies subject to the Notice must:

- **Prepare P2 Plan and initiate implementation of the Plan within 6 months after Final Notice is published**
 - Not required to submit P2 Plan unless specifically requested to do so
 - The Minister has the authority to request all or part of any P2 Plan to evaluate the effectiveness of the instrument
- **Ensure that P2 plan contains all the required information and considers specified “factors to consider”**
- **Submit complete Declarations and Interim Progress Reports by the due dates**
 - Interim Progress Reports must be filed after both 2 and 3 years
 - Full implementation of the plan no later than 4 years from the date of becoming subject to the Notice
 - Develop Enforcement Strategy
- **Keep a copy of the P2 plan at the site**
- **File information that is not false or misleading**



Enforcement

- **Enforcement measures are guided by the Compliance and Enforcement Policy for CEPA 1999**
- **Non compliance with CEPA is a criminal offence and may be punishable by fines up to \$1,000,000 or imprisonment for up to 3 years or both**
- **Enforcement action can be against:**
 - any person who is designated in the Notice
 - any persons or group of persons who have the authority to make decisions in relation to the substance
 - any person or group of persons who have been found directly responsible for the infraction



Calendar of Events & Next Steps

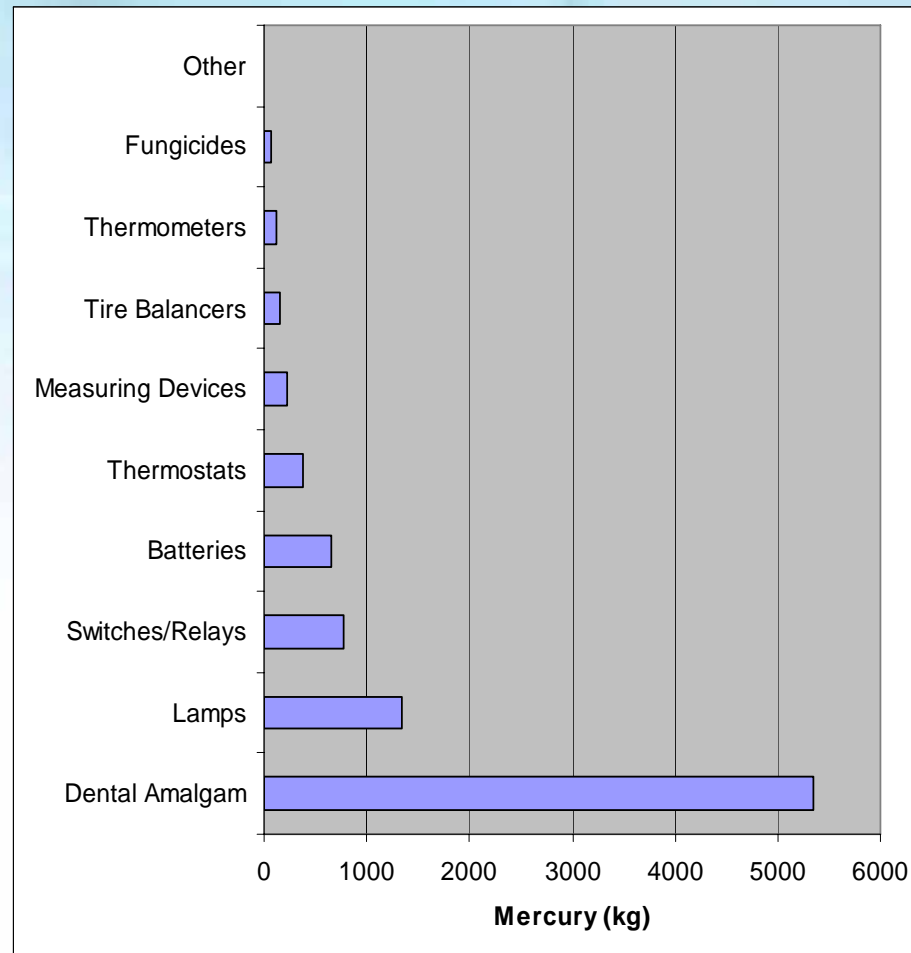
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| June 7 | Minister Ambrose announces use of Pollution Prevention Planning Notice for the automotive and steel sectors during Clean Air Day speech |
| June 9 | Working Document distributed to stakeholders for comment |
| June 11 | News Release issued by Environment Canada |
| June 27 | Stakeholder Information Session held in Toronto by Environment Canada |
| July 27 | Comment period ended with 11 sets of comments received |
| Late 2006 | Anticipated Publication of Proposed Notice in Part I of the <i>Canada Gazette</i> for a 60-day comment period, and publication of document summarizing response to comments on Working Document |
| Mid 2007 | Anticipated publication of Final Notice in <i>Canada Gazette</i> , Part I |

Mercury and Other Products in Canada

Approximately 10 tonnes of mercury was used in products in 2003 (mainly imports).

Mercury-free alternatives are commercially available for most.

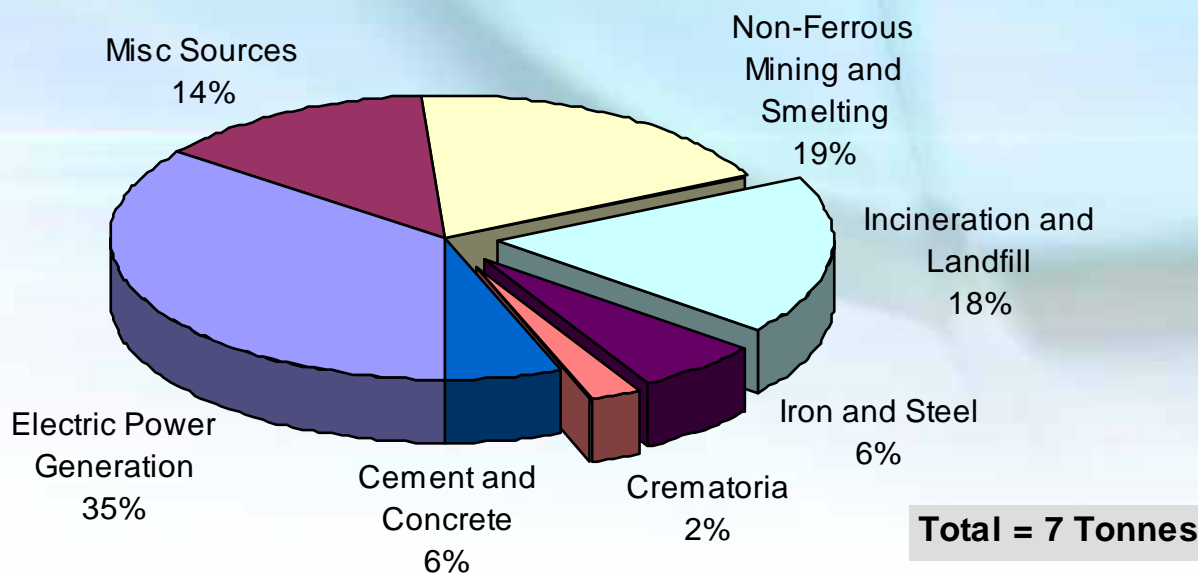
New mercury-containing products have been introduced to the Canadian market as recently as 2000 (Tire Balancers).



Mercury Emission Inventory

Products in circulation in Canada will continue to release mercury through breakage in homes and landfills as well as incineration long after the end of their useful life.

2003 Canadian Mercury Emissions



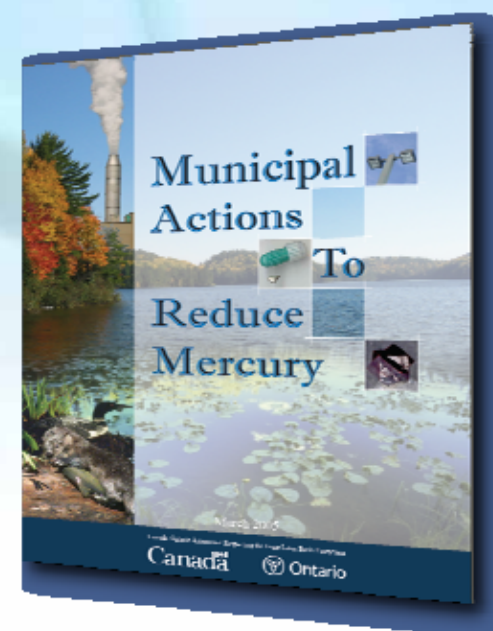
EC is in the process of:

- Evaluating the quantity of mercury in products already in circulation
- Examining the ultimate fate of mercury from products used in Canada
- Evaluating actions by other countries to manage mercury-containing products
- Considering various management options for mercury-containing products in Canada



Outreach to Municipalities

- **Over the past year, Environment Canada has attended several municipal waste association trade shows to promote and distribute the Municipal Actions Guidance manual**
- **Many Canadian municipalities have mature hazardous waste collection programs that will accept mercury wastes, and the manual has been well received**
- **Real challenge for remote/rural communities to implement hazardous waste collection programs**
- **While municipalities recognize mercury impacts (e.g., where tourism includes fishing), there are questions on who should bear the costs of mercury collection/recycling**



Standing Senate Committee on Energy, the Environment and Natural Resources

- **The Parliamentary Review of CEPA 1999 is conducted every five years**
- **The Standing Senate Committee on Energy, the Environment, and Natural Resources is fulfilling their role in the review by analyzing three case studies:**
 - mercury
 - perfluorinated compounds (PFCs) and
 - smog
- **The committee heard testimony from ENGOs and Industry**
- **Environment Canada and Health Canada officials also gave testimony on October 17 and November 2 regarding government actions to date**
- **The committee's questions focused on our emissions reduction actions under various acts of parliament, mercury-containing products, and impacts on Canada from international sources**



Next Steps

- **Publish the Pollution Prevention Planning Notice for Mercury in Auto Switches in Canada Gazette**
- **Publish the Risk Management Strategy for Mercury Containing Products on the CEPA Registry**
- **Finalize both the P2 Planning Notice and the Risk Management Strategy**





Thank you!

www.ec.gc.ca/mercury

www.ec.gc.ca/cepap2

<http://www.ec.gc.ca/ceparegistry>