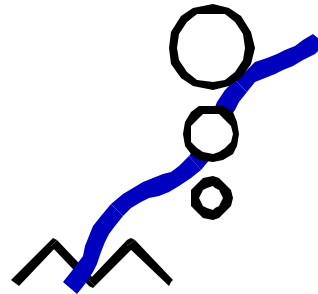




# Update on the National Pollutant Release Inventory



Update for the Meeting of the  
Commission for Environmental Cooperation  
December 2001

# Overview

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- Drivers of the NPRI
- Release of 2000 Information
- Expansion of the NPRI

# Drivers of the NPRI

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- Minister's Clean Air Agenda & emphasis on ground level ozone and PM
- Environment Canada needs to track releases of *CEPA*-toxic substances
- AARHUS protocol on heavy metals

# Release of 2000 Information

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## Release of 2000 NPRI Data

- 2000 data published electronically November 2001 (5 months after receipt of the data from reporting facilities; same year as it was reported)

## Release of 2000 Summary Report

- 2000 Summary report is tentatively scheduled for release in Spring of 2002

# Expansion of the NPRI

## Proposals for the 2002 Reporting Year:

- addition of criteria air contaminants (CACs) - NO<sub>x</sub>, SO<sub>2</sub>, CO, total VOCs, TPM, PM<sub>10</sub>, PM<sub>2.5</sub>
- addition of hexavalent chromium
- lowering thresholds for metal compounds (i.e. cadmium, lead, arsenic)
- deletion of phosphoric acid
- modification to reporting from wastewater facilities
- other miscellaneous items

# Expansion of the NPRI

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## Criteria Air Contaminants (CACs)

- requirement for an annual inventory for CACs
- meets requirements for information including regional air quality modeling
- meets our commitments under the Canada - United States Ozone Annex

# Expansion of the NPRI

- **Metals:**
- Hexavalent chromium and its compounds
  - Proposal - threshold of 50 kg and concentration exemption reduced to 0.1%
  - Current listing of chromium and its compounds would remain at 10 tonnes and would exclude hexavalent chromium and its compounds
- Lead and its compounds & tetraethyl lead
  - Proposal - threshold of 50 kg and concentration exemption reduced to 0.1%
  - would exclude lead contained in stainless steel, brass and bronze alloys

# Expansion of the NPRI

- Metals (cont'd):
- Cadmium and its compounds
  - Proposal - 5 kg and concentration exemption reduced to 0.1%
- Arsenic and its compounds
  - Proposal - 50 kg and concentration exemption reduced to 0.1%



# Expansion of the NPRI

- **Phosphoric Acid**
  - Deletion of phosphoric acid for the 2001 reporting year
- **Municipal Wastewater reporting**
  - Proposal to require reporting by wastewater facilities based on an effluent based trigger regardless of the # of employees (average annual discharge of 10 000 m<sup>3</sup>/day)
- **Pollution Prevention (P2) Activities**
  - Proposal to expand list of P2 activities (similar to US EPA)

# Expansion of the NPRI

## Workplan for 2003 NPRI and beyond

- Greenhouse gases
- Upstream Oil & Gas exemption
- Road dust reporting
- Mining exemption
- Other substances (including *CEPA*-toxics)
- Alternate Threshold Framework
- NPRI will publish a notification to stakeholders in January listing all substances for consideration for the 2003 RY