

Great Lakes Binational Toxics Strategy

A Path Forward

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Great Lakes Binational Toxics Strategy

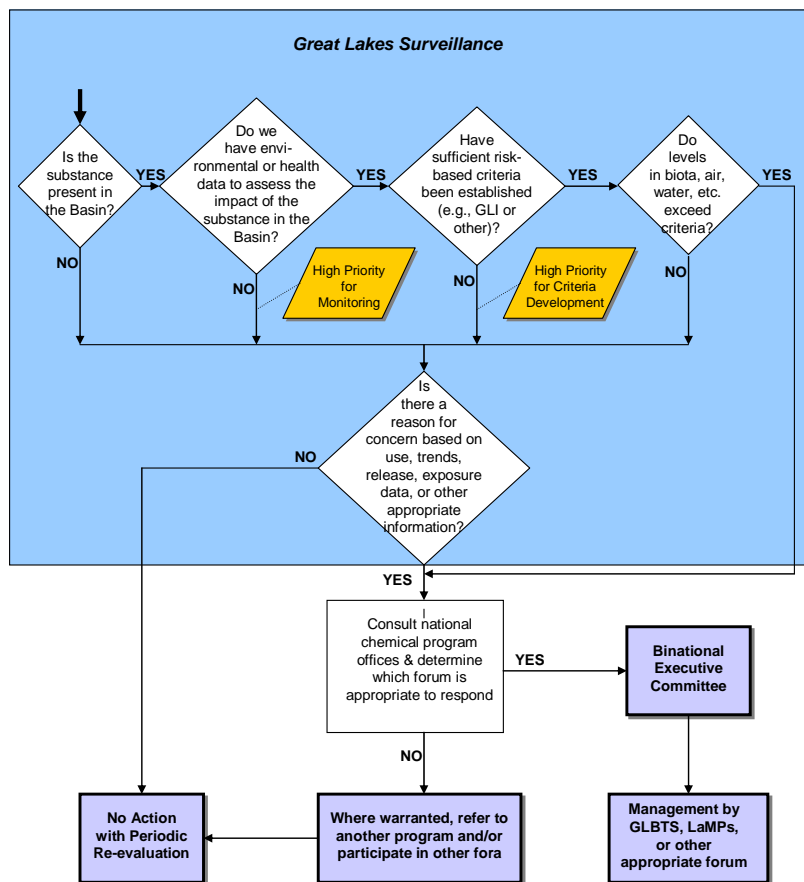
11th Canadian Pollution Prevention
Roundtable – June 15, 2007
Winnipeg

Today's GLBTS Presentation

- **Great Lakes New Substance Evaluation Framework**
- **GLBTS 10 Year Anniversary Workshop**

Great Lakes New Substance Evaluation Framework

Great Lakes New Substance Evaluation Framework



DRAFT

April 12, 2007

GLBTS 10 Year Anniversary Workshop May 24 & 25th Chicago 2007

Addressed Two Questions:

- **A Future GLBTS Structure and Mandate under a Revised GLWQA**
- **Future GLBTS Management Options for Addressing New Substances**

Future GLBTS Management Options for Addressing New Substances

- **Status Quo**
- **Sector Approach**
- **Family of Substances Approach**
- **Combination of Approaches**
- **Any Others?**

Key Themes

- **Current structure adds value**
- **Suitable to manage risk but not assessing risk**
- **Not suitable to select new chemicals for action**
- **Testing ground for new approaches**
- **Clearly articulated goals**
- **Flexible approach**
- **Engage appropriate stakeholders**

Our Goal

The Virtual Elimination of Persistent Toxic Substances from the Great Lakes Environment!



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Accomplishments - Canadian

Level I Substance	Progress	
	Challenge	Reduction
Alkyl-lead (use, generation, releases)	90%	>98%
Level I Pesticides	No longer use, generation, or release	Confirmed
OCS	No longer use, generation, or release	No documented releases
Dioxins/Furans (releases)	90%	89%
Mercury (releases)	90%	85%
HCB (releases)	90%	73%
B(a)P (releases)	90%	52%
PCBs (in service) (stored/destruction)	90% Accelerated	70% 90%

Accomplishments – U.S.

Level I Substance	Progress	
	Challenge	Reduction
Mercury (use)	50%	>50%
Dioxins/Furans (releases)	75%	89%
HCB (releases)	Reduce releases	62%
B(a)P (releases)	Reduce releases	77%
Alkyl-lead	No longer use in automotive gasoline	Confirmed
Level I Pesticides	No longer use, or release	Confirmed
OCS	No longer use, or release	Confirmed
Mercury (releases)	50%	>50% (air)
PCBs (use)	90%	56% transformer 12% capacitor disposal

P2 Approaches of Potential Use to GLBTS

■ Product Stewardship

- ◆ Sustainable Product Development
- ◆ Extended Product/Producer Responsibility
- ◆ Environmental Management Systems
- ◆ Performance Measurement

■ Life Cycle Assessment and Costing

■ Environmental Accounting

■ Materials Checklist

■ Responsible Care

■ Green Chemistry

■ Industrial Ecology

