

Benzo(a)Pyrene and Hexachlorobenzene

Work Group Co-Chairs:

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B(a)P and HCB Challenge Goals

Canada

- Seek a 90% reduction in releases
- By 2000

United States

- Seek reductions in releases that are within, or have the potential to enter, the Great Lakes Basin
- By 2006

Progress Toward the Challenge Goals

- **Both Canada and the U.S. have achieved reductions**
- **The U.S. has satisfied its commitment**
 - ◆ **B(a)P emissions in Great Lakes states reduced by ~ 77% from 1996 to 2001**
 - ◆ **HCB emissions reduced from 1990 to 1999**
- **Canada continues to pursue its goal, but it is unlikely that 90% reduction goal will be met by 2006**
 - ◆ **B(a)P releases reduced by ~ 49%, relative to 1988**
 - ◆ **HCB releases reduced by ~ 68%, relative to 1988**

BaP Management Assessment Recommendations

- Continue to pursue reduction activities, especially for the following source sectors:
 - ◆ Residential Wood Combustion: “Burn-it-Smart”, wood stove change-out programs, fire log testing, and wood boilers
 - ◆ Scrap Tires: Ontario Tire Stewardship program, US Best Practices Guidebook, additional training and pile mapping
- Improve BaP inventories by identifying missing sources and source categories that have achieved virtual elimination
- Determine the co-benefits of reducing Level 2 PAHs resulting from activities that reduce BaP emissions

HCB Management Assessment Recommendations

- **Improve emission inventories**
- **Continue to work with pesticide and chemical manufacturers to reduce HCB emissions where possible**
- **Identify the impact of long-range transport of HCB to the Great Lakes**
- **Determine the co-benefits of reducing specified chlorobenzene compounds as a result of actions that reduce HCB. Collect, report and use specified chlorobenzene compound information to show benefits related to the reduction of HCB**

Next Steps

10:30 am – 12:00 pm

- Discuss inventory numbers and identify areas for improvement
- Discuss opportunities/plans for 2006 (scrap tires, wood stoves, pesticides, chemical manufacturing, diesel emissions, others)
- HCB Modeling Project
- Ontario BaP Mapping Project
- Discuss next meeting items
 - ◆ Level 2 substance information

1:00 pm – 4:00 pm

- Joint session with Dioxins/Furans Workgroup
 - Burn barrels
 - Wood Preservation
 - Iron & Steel
 - Scrap Tires
 - Open Burning Issue Papers
 - Agricultural Plastics
 - Res. Wood Comb.
 - Voluntary Stack Testing