

PCBs

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PCB Challenge Goals

Canada

- Seek a 90% reduction of high-level PCBs (>10,000 ppm) by 2000
- Accelerate destruction of stored high-level PCB wastes

United States

- Seek a 90% national reduction of high-level PCBs (>500 ppm) by 2006
- Ensure proper management and disposal of PCBs removed from use

Progress Toward the Challenge Goals: Canada

- **In Ontario, as of April, 2005, 89% of high-level PCBs in storage have been destroyed since 1993 (about 2,741 tons remaining)**
 - ◆ **For PCBs in storage, likely to meet/exceed 90% reduction challenge by 2006**

- **About 68% reduction of high-level PCBs in service (~2,800 net tons remaining)**
 - ◆ **For PCBs in service, unlikely that the 90% reduction target will be met by 2006**

Progress Toward the Challenge Goals: Canada (Continued)

- **Less than 400 PCB sites are remaining (including federal and non-federal), down from 1,529 in 1993**
 - ◆ **Additional 198 sites are PCB free (both in storage and in service)**

- **Updated PCB inventory data recently received; currently being entered into the National Inventory Database**

Progress Toward the Challenge Goals: U.S.

- **According to the PCB Transformer Registration Database, updated in August 2006, only about 14,700 PCB transformers were registered with U.S. EPA**
- **According to annual disposal data, at the end of 2003, an estimated 113,000 PCB transformers and 1,330,000 large PCB capacitors remained in use in the U.S.**
 - ◆ **Estimate obtained by subtracting the annual disposal data from the 1994 estimated baseline**
- **Lacking sufficient data to determine with accuracy the status of progress toward the goal**
- **U.S. EPA currently compiling 2004/2005 PCB disposal information and, based on the update of the PCB transformer registrations, will re-evaluate the data gaps in the inventory**

2006 Activities: Example Canadian Accomplishments

- New PCB Regulations published in *Canada Gazette I* (11/4/2006)
- EC PCB Recognition and Award Program for achieving 90% or better elimination of high level PCBs continued
 - ◆ 8 Ontario companies received award so far
 - ◆ 4 additional companies showed interest
- In response to >1,000 requests for inventory updates mailed to PCB owners (in priority industry sectors) in 2005, over 400 inventory updates received to date
- EC met with 2 major steel producers in Ontario (Dofasco and Stelco)
 - ◆ Recently (Oct. 2006) Stelco destroyed 108+ tonnes of high-level PCB transformers and capacitors

2006 Activities: Example U.S. and Workgroup Accomplishments

- **U.S. EPA updated the PCB Transformer Registration Database in 2006**
 - ◆ **Since 2000, the number of PCB transformers registered decreased by 25% (~5,000)**
- **U.S. Stakeholder PCB Phase-out Efforts Continued**
 - ◆ **Most USWAG companies have procedures in place to ensure >50 ppm PCB equipment identified during repair/servicing is disposed and/or retrofilled (reaffirmed in April 2006)**
 - ◆ **USWAG member companies in the GL basin also have dedicated efforts to identify/remove PCB-containing equipment from service**

2006 Activities: Example U.S. and Workgroup Accomplishments (Continued)

- **A PCB software/spreadsheet tool to determine and compare the costs of phasing out PCB transformers against the costs of continued use developed; currently being evaluated by U.S. EPA**
- **Study of PCB emissions from in-service PCB transformers completed (ambient air around PCB Askarel transformers)**

Outlook: Summary of Challenge Goal Status

- Canada expected to meet the Canadian challenge goal for high-level PCBs in storage
- Canada working to meet its challenge goal for in-service PCBs
- U.S. EPA will take a closer look at the US challenge goal, considering the updated PCB Transformer Registration Database and the compilation of 2004/2005 PCB disposal information

Next Steps and Future Work Needed to Meet Challenge Goals

- Continue to seek PCB reduction commitments through **PCB reduction commitment letters and other PCB phase-out efforts**
- Continue to publicize voluntary achievements in **PCB reduction, through the EC “Recognition & Award” and other programs**
- Continue to update PCB equipment inventories **in the U.S. and Canada**
- Continue outreach/compliance promotion efforts **(for new PCB Regulations in Canada)**
- Evaluate PCB Management Assessment recommendations **for implementation**