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Canadian Great Lakes BaP/HCB Inventory Update

**GLBTS BaP/HCB Workgroup Meeting
Chicago, Illinois**

**Shawn Michajluk
EPOD-Ontario**

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Inventory Improvement

- Update Ontario BaP and HCB inventory every year
 - 2006 NPRI reviewed data released on November 22, 2007
- Working with Ontario Ministry of the Environment and Great Lakes Commission to reconcile Ontario inventories
- Polycyclic aromatic hydrocarbons (PAHs) source apportionment study initiated to confirm the release inventory for BaP
- National HCB inventory to be updated



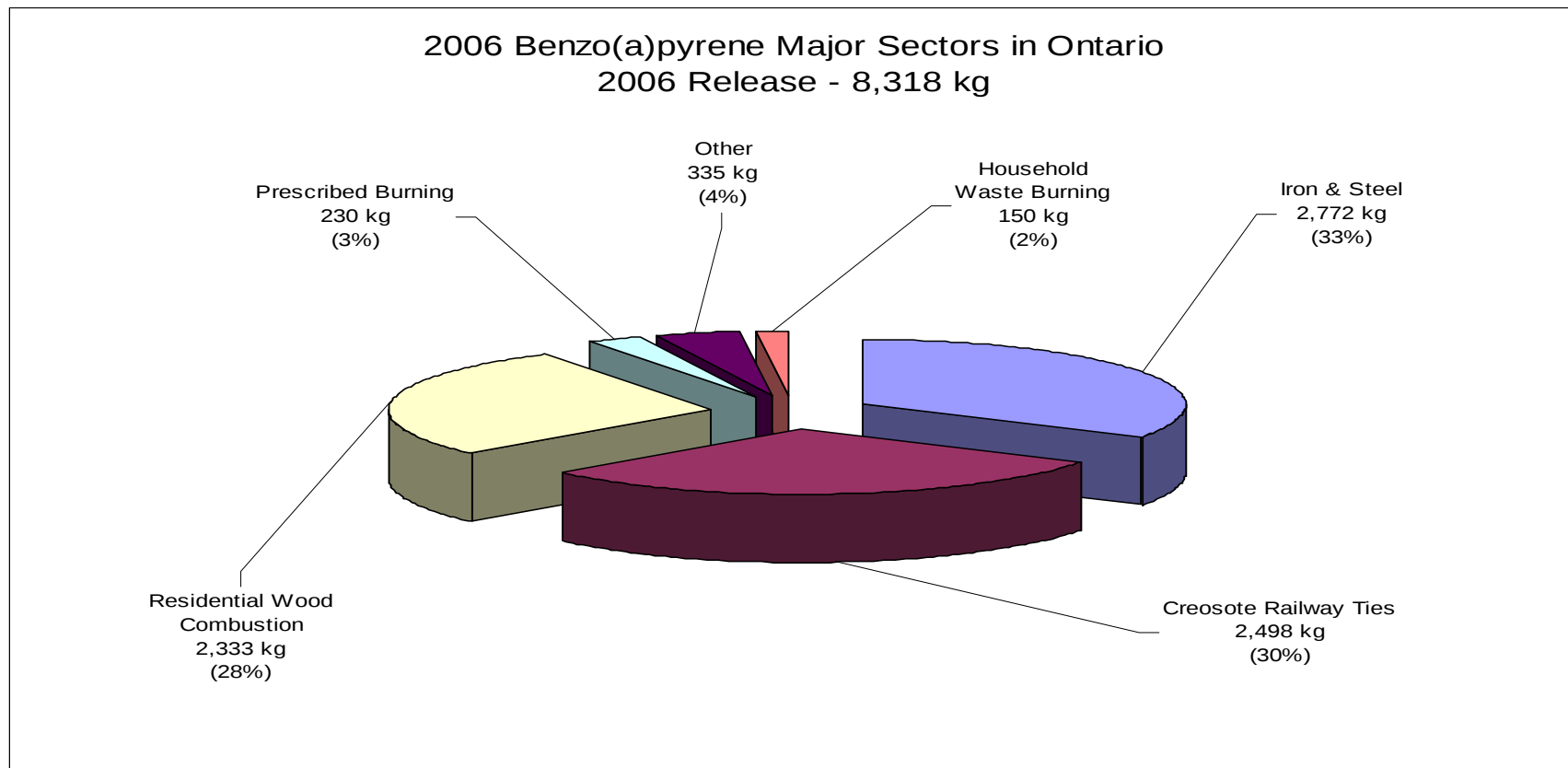
Benzo(a)pyrene Releases - Ontario

Sources	1988 (kg)	2005 (kg)	2006 (kg)
Point	11,502	2,924	2,915
Area (non-point)	5,563	5,325	5,325
Mobile (transportation)	314	91	88
Total	17,379	8,340	8,318

- Point:
 - Cement – Reduction from 11 kg to 0.5 kg due to 2006 stack test data from one facility



2006 Benzo(a)pyrene Major Sectors in Ontario



- Iron & Steel – Release number under review – may be overestimated by an order of magnitude

Hexachlorobenzene Releases - Ontario

Sources	1988 (kg)	2005 (kg)	2006 (kg)
Point	8.71	1.72	1.35
Area (non-point)	41.70	11.77	11.77
Mobile (transportation)	0.00	0.00	0.00
Total	50.41	13.49	13.12

- Point:
 - Chemical production – Releases increased from 0.004 kg to 0.12 kg
 - Commercial printing, Nonmetallic Minerals, Services – New reporters
 - Primary Metals Production (Mining) – Reduction from 0.74 kg to 0.14 kg due to 2006 stack test result from one facility



2006 Hexachlorobenzene Major Sectors in Ontario

