Ontario Release Inventory Update-2005 BaP and HCB

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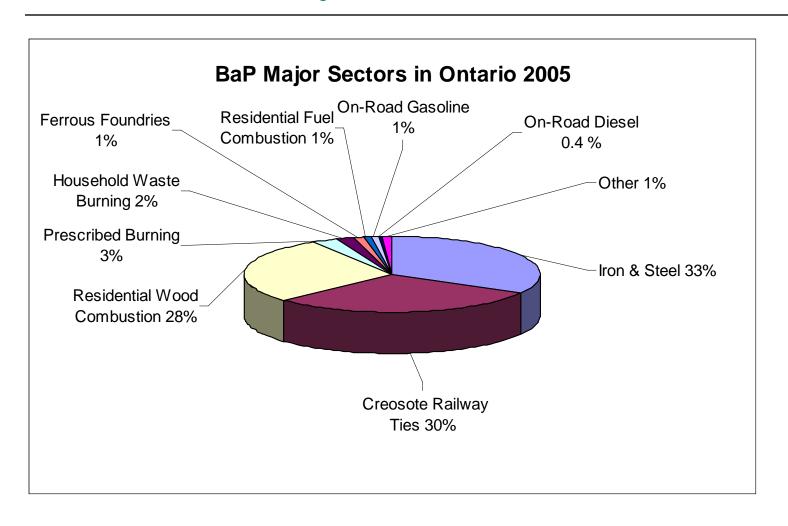
GLBTS Meeting December 6th, 2006



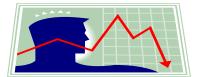
Ontario BaP Reductions 2005

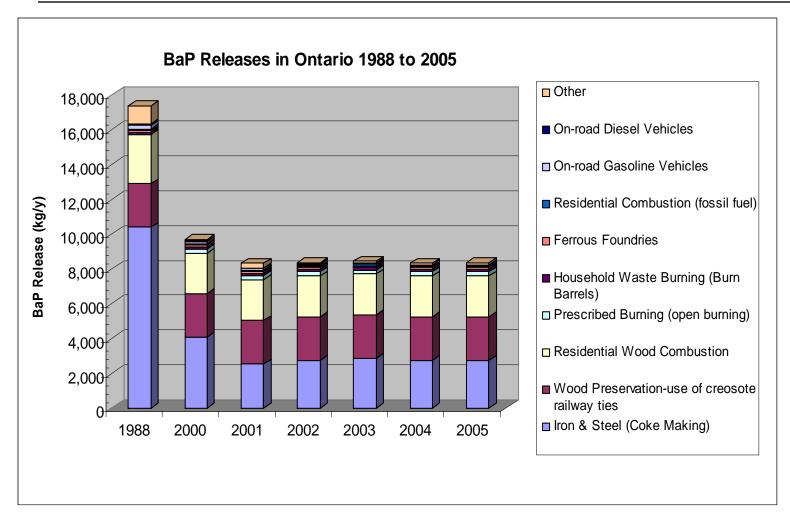
Sector	1988 (kg)	2005 (kg)	Reduction (kg)	% Reduction (1988-2005)
Iron & Steel (Coke Making)	10,400	2,772	7,628	73
Wood Preservation-use of creosote railway ties	2,498	2,498	0	0
Residential Wood Combustion	2,834	2,333	501	18
Prescribed Burning (open burning)	0	230	-230	increase
Household Waste Burning (Burn Barrels)	117	150	-33	-28 (increase)
Ferrous Foundries	101	101	0	0
Residential Combustion (fossil fuel)	73	73	0	0
On-road Gasoline Vehicles	227	58	169	74
On-road Diesel Vehicles	87	33	54	63
Other	1,356	82	1,274	94
Ontario Total	17,379	8,340	9,049	52

2005 BaP Major Sectors

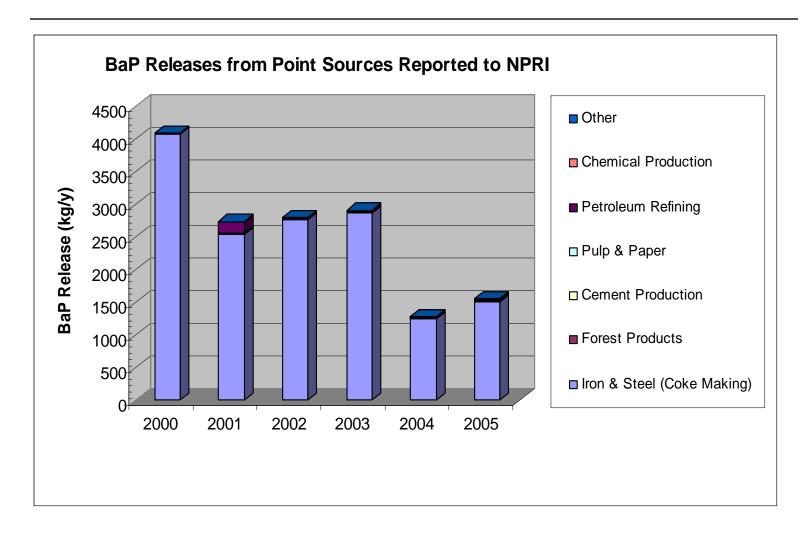


BaP Release Trend 88-05

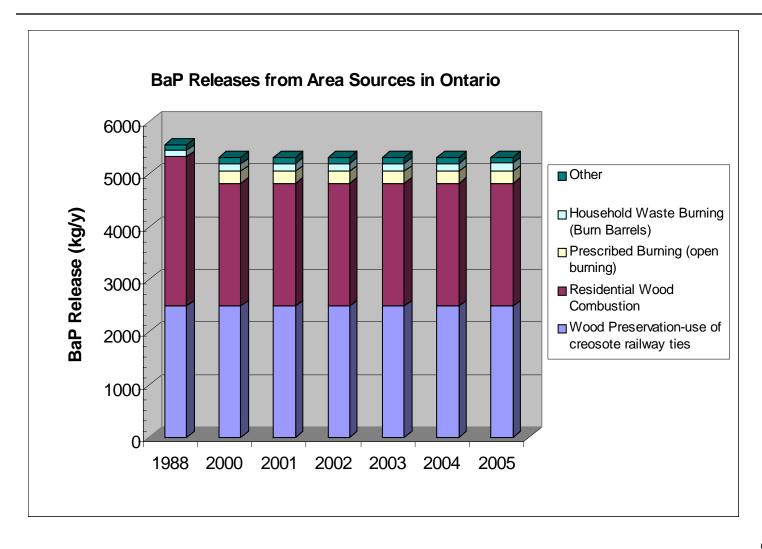




BaP from Point Sources



BaP from Area Sources



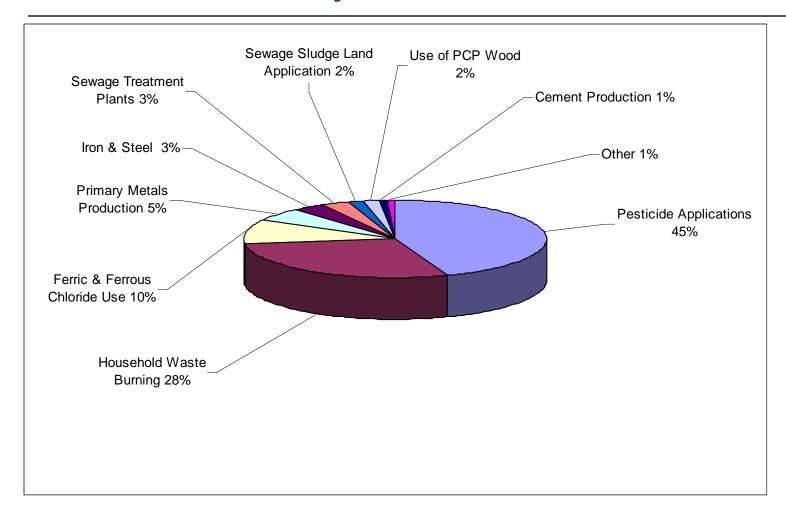
BaP Next Steps

- Develop Ontario PAH Inventory
- Source Apportionment of PAHs at Ontario Sites
- Receptor Modeling results to validate and complement the Emission Inventory

Ontario HCB 2005 Reductions

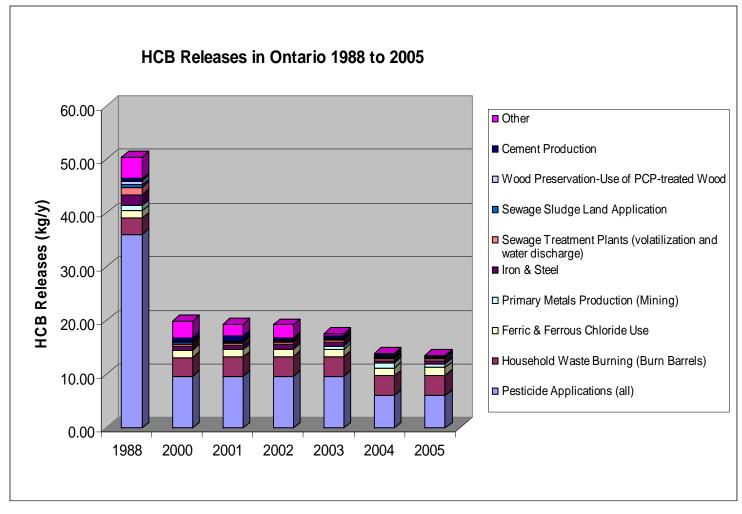
HCB (kg/y)	1988	2005	Net Reduction	% Reduction
Sector	kg	kg	kg	
Pesticide Applications (all)	36.00	6.00	30.00	83
Household Waste Burning (Burn Barrels)	3.00	3.80	-0.80	-27
Ferric & Ferrous Chloride Use	1.40	1.40	0.00	0
Primary Metals Production (Mining)	1.00	0.74	0.26	26
Iron & Steel	1.98	0.46	1.52	77
Sewage Treatment Plants (volatilization and water discharge)	1.35	0.40	0.95	70
Sewage Sludge Land Application	0.58	0.25	0.33	57
Wood Preservation- Use of PCP-treated Wood	0.61	0.23	0.38	62
Cement Production	0.49	0.11	0.38	78
Other	4.00	0.10	3.90	97
Ontario Total	50.31	13.49	36.92	73

2005 HCB Major Sectors

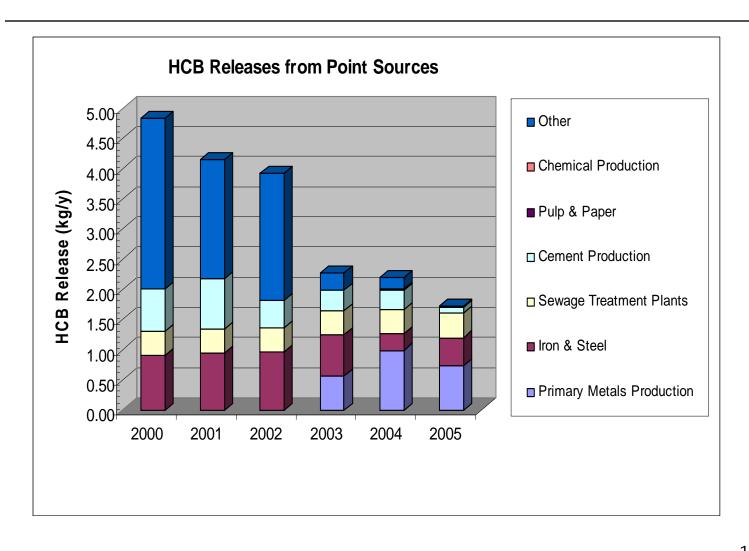


HCB Release Trend 88-05

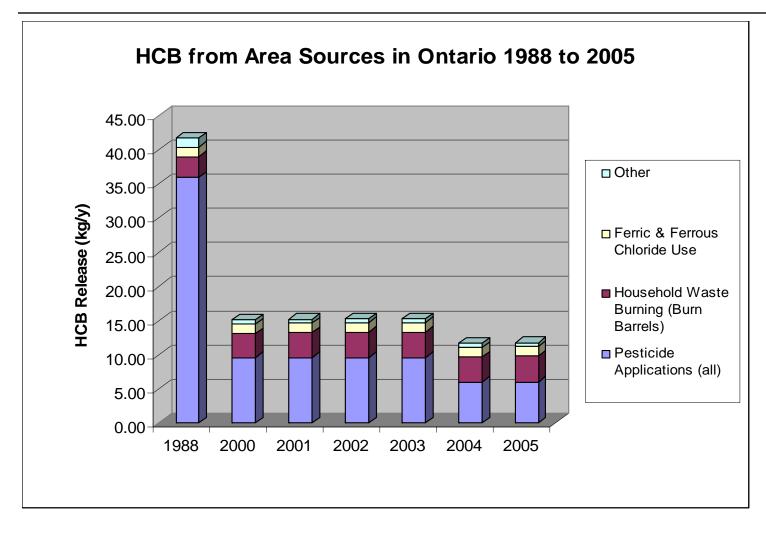




HCB from Point Sources



HCB from Area Sources



HCB Next Steps

- Complete Canadian HCB Inventory
- Long Range Transport Modeling
- Seek Opportunities for Further Reduction