

CHEM 302: Atmospheric Environmental Chemistry

Case Study 1: Global Atmospheric Transport The Mysterious Case of Pollutants in Far Away Places

Presented by Erik Krogh, Sept. 16th, 2011

Attached Readings:

1. Airborne Asian Chemicals Polluting B.C. Waters, *Vancouver Sun*, Friday Nov 27, 1998
2. Blowing in the Wind, *Chemical and Engineering News*, 79 (26), 30-31, 2001
3. Introduction to Atmospheric Chemistry, D. Jacob, Princeton University Press, 1999; section 4.2, The General Circulation, p.50-52
4. Global Distillation, In Long Range Atmospheric Transport of Pollutants, University of Otago, Chemistry, Retrieved September 15, 2011 from <http://neon.otago.ac.nz/chemistry/kjh/pollutants/>
5. The Dirty Dozen: First Generation Persistent Organic Pollutants (POPs) Identified in 2001 Stockholm Convention, Retrieved September 15, 2011 from <http://www.pops.int/documents/pops/default.htm>
6. Persistent Organic Pollutants – POPs, Environment Canada, Retrieved September 15, 2011 from http://www.dax.ca/air/pops_e.shtml
7. Is Santa Claus Toxic Because of Toxic Food Up by the North Pole? In ScienceDaily, Retrieved September 15, 2011 from <http://www.sciencedaily.com/releases/2010/12/101206093504.htm>

Further reading and weblinks:

- A River of Air Pollution, *Environmental Science and Technology*, 34 (15), 330A, 2000
- Flame-Proofing the Arctic, K.S. Betts, *Environmental Science and Technology*, 36 (9), 188A, 2002
- Arctic Pollution 2009, Arctic Monitoring and Assessment Programme (AMAP), <http://www.amap.no/>
- Persistent Organic Pollutants in the Arctic, National Oceanic and Atmospheric Administration (NOAA) http://www.arctic.noaa.gov/essay_calder.html
- Persistent Organic Pollutants: A Global Issue, A Global Response, United States Environmental Protection Agency (USEPA), <http://www.epa.gov/international/toxics/pop.html>