



Toxin Free Piping Supports Sustainable Infrastructure



Reducing Toxic Pollutants to Drinking & Receiving Waters

Imminent Hazards to Public Health & Environment

Toxic pollutants including vinyl chloride and endocrine disruptors leach from plastic piping used for drinking water and wastewater and are ingested by humans and wildlife. Vinyl chloride is a known carcinogen and endocrine disruptors interfere with healthy systems and cause mutations.

Sustainable Alternatives

Toxin free sustainable alternatives avoiding these problems are available like ductile iron and clay pipe which also last longer, and are independently certified as sustainable products.

Look for **SMaRT** Certified Sustainable Products which:

- Evaluate environmental impacts of products over their entire life including toxicity
- Are approved for credit in LEED green buildings and neighborhood developments
- Are recognized as being certified to a Leadership Standard by the Leadership Standards Campaign of the National Wildlife Federation, Sierra Club, Perkins+Will, Corporate Responsibility Association and Eaton Corporation

Some References on Hazards of Toxic Pollutants Including Endocrine Disruptors

EPA, Deposition of Air Pollutants to the Great Lakes Waters, Third Report to Congress (June 200) with peer review by National Wildlife Federation

National Wildlife Federation, Protection from Unsafe Plastics:

<http://www.nwf.org/News-and-Magazines/National-Wildlife/Green-Living/Archives/2004/Protection-from-Dangerous-Plastics.aspx>

National Wildlife Federation, Special Report Children at Risk

<http://www.nwf.org/News-and-Magazines/National-Wildlife/Green-Living/Archives/1997/Special-Report-Children-at-Risk.aspx>

National Wildlife Federation, The Alarming Language of Pollution

<http://www.nwf.org/News-and-Magazines/National-Wildlife/News-and-Views/Archives/1995/The-Alarming-Language-of-Pollution.aspx>

National Wildlife Federation, Fertility on the Brink: The Legacy of the Chemical Age, Washington, D.C., 1994; and Great Lakes Natural Resource Center, National Wildlife Federation, Hormone Copycats, Ann Arbor, Mich., 1994.

National Wildlife Federation, 1996. Report: Hormone Copycats — Summary. National Wildlife Federation, Great Lakes Natural Resource Center, Ann Arbor, MI.

National Wildlife Federation, From the Great Lakes Water Quality Agreement to the Binational Toxics Strategy: An Assessment of NGO Perspectives on Chemicals Policies in the Great Lakes, December 2011