

Current Issue for 2000-2001: Urban Nonpoint Source Pollution-Household / Home Site

Definition:

Pollution from many different sources, usually associated with rainfall runoff moving over and through the ground, carrying natural and manmade pollutants into lakes, rivers, streams, wetlands, estuaries, coastal waters and underground drinking water.

Objectives:

- 1) Know the definitions of Pollution, Point Source Pollution, and Nonpoint Source Pollution.
- 2) Be able to describe the differences between Point Source Pollution and Nonpoint Source Pollution.
- 3) Identify types of Urban Nonpoint Source Pollution (UNPS).
- 4) Be able to cite examples of both Point Source and Nonpoint Source Pollution.
- 5) Identify major causes of Urban Nonpoint Source Pollution.
- 6) Identify the main contaminants of both surface and groundwater.
- 7) Know the definition of a watershed.
- 8) Understand local watersheds impact in the problem.
- 9) Identify the local, state, and federal agencies involved in monitoring and regulating UNPS.
- 10) Explain measures taken to reduce specific types of UNPS.
- 11) Identify what the expression "Total Maximum Daily Load (TMDL)" represents.
- 12) State the objective of the Clean Water Act.
- 13) State the process by which a pollutant is delivered to a body of water.
- 14) Be able to cite major Federal Laws / Acts concerning both NPS and UNPS
- 15) Compare Urban vs. Rural NPS Pollution
- 16) Recognize the economic impact caused by UNPS
- 17) Understand the impact on natural resources.

Areas of focus: The causes and effects of various types of pollution on the environment in a urban setting to include households and home sites under five acres in the local watershed.

Resource Materials / Sites

The links listed are exact addresses needed for the study materials unless instructions are clarified below the link.

What is Nonpoint Source (NPS) Pollution? www.epa.gov/owow/nps/qa.html

What YOU can do to prevent NPS pollution www.epa.gov/owow/nps/whatudo.html

More Examples of What You Can Do to Prevent Nonpoint Source Pollution From the Alliance for the Chesapeake Bay www.epa.gov/owow/nps/abc.html

Do's and Don'ts Around the Home www.epa.gov/owow/nps/dosdont.html

Managing Nonpoint Source Pollution from Households
www.epa.gov/owow/nps/facts/point10.htm

How to Conserve Water and Use It Effectively www.epa.gov/owow/nps/chap3.html

- Practices for Residential Users

Controlling Nonpoint Source Runoff Pollution from Roads, Highways and Bridges

www.epa.gov/owow/nps/roads.html

A Citizen's Guide to Groundwater Protection

www.epa.gov/ogwdw/sourcewater/pubs/guide_citguidegwp_1990.pdf

- Chapters 1, 2, and 4

Cleaner Water Through Conservation nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=20004MQA.txt

- All Chapters With Text Links

Chapter 2 The Causes of Urban Stormwater Pollution

www.nrdc.org/water/pollution/storm/chap2.asp

The Consequences of Urban Stormwater Pollution

www.nrdc.org/water/pollution/storm/chap3.asp

Urban Pesticides: From Lawn to Stream

www.stormwatercenter.net/Practice/5-Urban%20Pesticides.pdf