

The Village of Angola Stormwater Management Program

Under Phase II Stormwater Regulations, the United States Environmental Protection Agency established a municipal stormwater management program to improve our Nation's waters by reducing the quantities of pollutants that stormwater picks up and carries onto storm sewer systems during a storm event. The Village of Angola has been identified as an owner and operator of a Municipal Separate Storm Sewer System (MS4) and is subject to the Phase II Stormwater Regulations.

The Village of Angola, in partnership with the Western New York Stormwater Coalition, has developed a Stormwater Management Plan which is essentially a guidance document to address six minimum control measures that are required under the stormwater regulations. The Stormwater Management Plan includes Best Management Practices for each minimum control measure as well as specific tasks to achieve and maintain compliance. Portions of the work are provided through the collective efforts of the Western New York Stormwater Coalition members. The remaining work is the responsibility of the Village of Angola.

The six minimum control measures are as follows:

- 1. Public Education and Outreach on Stormwater Impacts**
- 2. Public Participation/Involvement**
- 3. Illicit Discharge Detection and Elimination**
- 4. Construction Site Stormwater Runoff Control**
- 5. Post-Construction Stormwater Management in New Development and Redevelopment**
- 6. Pollution Prevention/Good Housekeeping for Municipal Operations**

Stormwater ... What is it & Why is it a Problem??

Stormwater is water from rain or melting snow that does not soak into the ground. It flows from rooftops, over paved areas, bare soil, and sloped lawns. As it flows, stormwater runoff collects and transports soil, animal waste, salt, pesticides, fertilizers, oil and grease, debris and other potential pollutants.

Rain and snowmelt wash pollutants from streets, construction sites, and land into storm sewers and ditches. Eventually, the storm sewers and ditches empty the polluted stormwater directly into streams and rivers with no treatment. This is known as stormwater pollution.

Polluted stormwater runoff can have many adverse effects on plants, fish, animals, and people.

- Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment also can destroy aquatic habitats.
- Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.
- Bacteria and other pathogens can wash into swimming areas and create health hazards, often making beach closures necessary.
- Debris – plastic bags, six-pack rings, bottles, and cigarette butts – washed into waterways can choke, suffocate, or disable aquatic life like ducks, fish, turtles, and birds.
- Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil, and other auto fluids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish or ingesting polluted water.

To download public education materials or obtain additional information on stormwater pollution prevention, go to http://www.erie.gov/environment/compliance/pollution_sw2.asp

For specific information on the Village of Angola's Stormwater Management Program, please contact: **Jeff Kaminski – (716) 549-5460**
angoladpw@verizon.net

Western New York Stormwater Coalition

A partnership to protect water quality

A number of communities in Western New York have joined together to develop a stormwater management program to protect our waterways and enhance our quality of life. The goal of the Coalition is to utilize regional collaboration to identify existing resources and develop programs to reduce the negative impacts of stormwater pollution. The public education and outreach initiatives of the Western New York Stormwater Coalition strive to enhance public knowledge and awareness of stormwater pollution and protect water quality. Public education and additional information are available on the Coalition website http://www.erie.gov/environment/compliance/pollution_sw2.asp or by contacting the Erie County Department of Environment and Planning at (716) 858-6370.



WNY Stormwater Coalition