What is Storm Water?

Storm water is water from precipitation that flows across the ground and pavement when it rains or when snow and ice melt. The water seeps into the ground or drains into what we call storm sewers. These are the drains you see at street corners or at low points on the sides of streets. Collectively, the draining water is called storm water runoff.

Why is Sform Wafer "Good Rain Gone Wrong?"

Storm water becomes a problem when it picks up debris, chemicals, dirt, and other pollutants as it flows or when it causes flooding and erosion of stream banks. Storm water travels through a system of pipes and roadside ditches that make up storm sewer systems. It eventually flows directly to a lake, river, stream, wetland, or coastal water. All of the pollutants storm water carries along the way empty into our waters, too, because storm water does not get treated!



Pet wastes left on the ground get carried away by storm water, contributing harmful bacteria, parasites and viruses to our water.



Vehicles drip fluids (oil, grease, gasoline, antifreeze, brake fluids, etc.) onto paved areas where storm water runoff carries them through our storm drains and into our water.



Chemicals used to grow and maintain beautiful lawns and gardens, if not used properly, can run off into the storm drains when it rains or when

we water our lawns and gardens.

Waste from chemicals and materials used in construction can wash into the storm sewer system when it rains. Soil that crodes from construction sites causes environmental degradation, including harming fish and shellfish populations that are important for recreation and our economy.



Where To Go To Continue the Information flow

Your community is preventing storm water pollution through a storm water management program. This program addresses storm water pollution from construction, new development, illegal dumping to the storm sewer system, and pollution prevention and good housekeeping practices in municipal operations. It will also continue to educate the community and get everyone involved in making sure the only thing that storm water contributes to our water is ... water! Contact your community's storm water management program coordinator or the Pennsylvania Department of Environmental Protection for more information about storm water management.



Pennsylvania Department of Environmental Protection www.dep.state.pa.us

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7. Roads and Other Paved Ansas – Note part of the storms sever system. Reads and other hardened surfaces such as perking tots and sidewalks can accomishe pollutants (e.g., oil, greass, dirt, leaves, trash, pet waters) that atorm water eventually washes into the storm sever system. This is another oscample of the storm sever system. This is another oscample of what a storm drain may look like. Like the storm drain inter shown in glutter #31, anything that enters this drain will go directly to strain, there, and lake wholet being shown in ground first. It is important to receptize this as a storm drain prevent if from being used as a storm drain to prevent it from being used as a starch can.

6. Septic System – Not part of the storm sewer system. Homeowners use septic tanks to manage sanitary waste overlain improperly maintained septic systems can leak and contribute pollucants to the storm sewer system, as well as directly to lakes, rivers, and streams.

5. Tollet – Not part of the storm sewer system. Wastewater from sinks and tollets in houses and business travel independent observations or contrusted to carry autifuly wasters, nown intrance, older communities may have a complicate sewer system designed to carry both storm water and antiarry waste.
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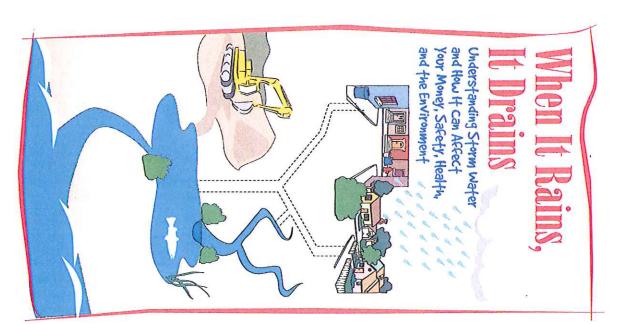
4. Storm Sewer Outfall – Part of the storm sewer system. An outfall is where storm water drains from the storm sewer system into a receiving lake, stream, or river if there is a flow from an outfall when it sink raining there could be a problem with the system or someone has used a storm drain for illegally disposing of materials.

3. Curb with Storm Drain Inlet - Part of the storm sewer system. Many people do not realize that this is an openify ideading to the storm stews reytem. Anything polygin to the intellet (e.g. rats. loaves, Improperly disposed of hazardous maxelialy travel directly to a receiving lake, river, or stream without being treased first. Many communities stencil storm drains with "Do Not Dump" messages to let people know.

2. Fire Hydrant – Not part of the storm sewer system. Water sprayed from fire hydrants is not storm water, but is allowed by law to enter the storm sewer system.

I. Ditch – Part of the storm sower system. Most people think that the system is just a series of underground pipes. It can also include ditches used to convey storm water from the land to a receiving lake, river, or

Answers to Test Your Storm Sewer System Savvy:



What Happens When It Rains

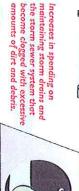


than good. Problems related to are times it can do more damage storm water runoff can include: nature's water cycle, but there Rain is an important part of





Flooding caused by too much storm water flowing over hardened surfaces such as roads and parking lots, instead of soaking into the ground.







populations because storm water carries sediment and pollutants that degrade important fish habitat. Decreases in sportfish



drinking water supplies. by storm water into our harmful pollutants carried technologies to remove





swimming unsafe. storm water that make Closed beaches due to high

community. Keep reading to find out how... while saving money for ourselves and our while protecting our health and environment We can help rain restore its good reputation

Test Your Storm Sewer System Savvy!

What does the storm sewer system look like in pictures are part of the storm sewer system your community? See if you can identify which



















What Everyone can Do To Help Resforing Rain's Reputation:

for rain to wash away. Here are some of the most important becomes a problem when pollutants from our activities like car supplies, recreation, and healthy wildlife habitats. It only ways to prevent storm water pollution: maintenance, lawn care, and dog walking are left on the ground Rain by nature is important for replenishing drinking water

- part of the storm sewer system and report anyone who cleaning supplies and paint—never pour them down any Properly dispose of hazardous substances such as used oil
- Use pesticides, fertilizers, and herbicides properly and efficiently to prevent excess runoff
- Look for signs of soil and other pollutants, such as debris back of this brochure for contact information.) impact storm water runoff to your community. (See the runoff or tracked into roads by construction vehicles. and chemicals, leaving construction sites in storm water Report poorly managed construction sites that could
- Install innovative storm water practices on residential storm water and keep it on site instead of letting it drain away into the storm sewer system. property, such as rain barrels or rain gardens, that capture
- Report any discharges from storm water outfalls during times of dry weather—a sign that there could be a problem with the storm sewer system.
- Pick up after pets and dispose of their waste properly. No park—storm water runoff can carry pet waste from the matter where pets make a mess—in a backyard or at the land to the storm sewer system to a stream.
- Store materials that could pollute storm water indoors and use containers for outdoor storage that do not rust or leak to eliminate exposure of materials to storm water.