

Stop Pointless Personal Pollution!

How everyday chores can harm your streams and lakes



It's a beautiful Saturday—a perfect day to make some extra spending money washing cars for family and neighbors, gassing up and oiling the lawn mower, laying down some fertilizer on those yellow patches in the yard, walking the dog, and spraying your mom's rosebushes for pesky bugs. Work hard and maybe you can make enough money to spring for movie tickets for you *and* your date.

The health of your nearby stream is probably one of the last things on your mind as you tackle your tasks. But guess what! Each of your jobs could harm a nearby stream, lake, or wetland. How? Well, consider....

Washing Cars

Many cleaning products contain phosphates and other chemicals that can make fish and other aquatic life sick. Using a hose to wash off suds creates a stream of wastewater that can travel down your driveway, into the street, and down a storm drain. No prob? Well, what do you think is at the other end of your storm drain? Usually a stream!

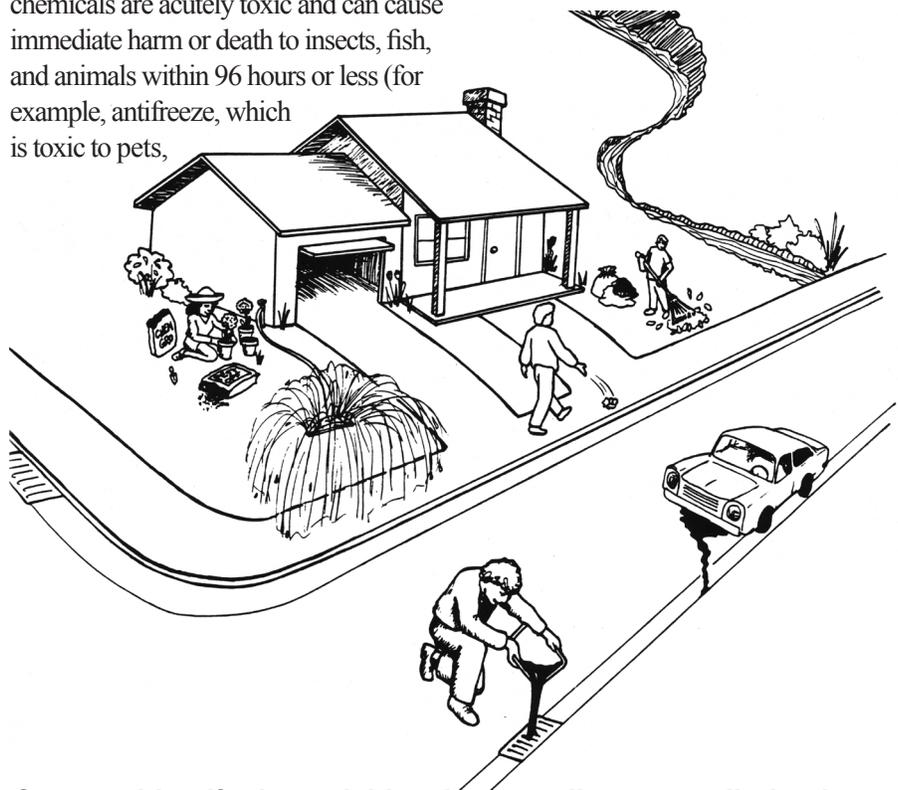
You can help protect streams when you wash your car if you:

- Use a bucket instead of a hose to save water and limit flow.
- Wash your car in sections and rinse it quickly using the high pressure flow on an adjustable hose nozzle.
- Use biodegradable soaps.
- Park your car over gravel or your lawn so wastewater doesn't flow into the street.

Working with Motors

Motors must be maintained if you want them to work properly. Oil, gasoline, brake fluid, degreasers, and antifreeze are a few of the products you need. All of these products contain chemicals that can harm aquatic life if they get into a stream, lake, or wetland. One gallon of used oil can ruin a million gallons of fresh water—a year's supply for 50 people.

If you accidentally spill these products on the ground when you're working, clean them up quickly. If you don't, the next rainstorm will pick them up and carry them to the nearest stream. Some chemicals are acutely toxic and can cause immediate harm or death to insects, fish, and animals within 96 hours or less (for example, antifreeze, which is toxic to pets,



Do you know . . .

The difference between a storm drain and a sewer? Storm drains collect water from outside our homes and businesses and carry it, untreated, directly to streams and rivers. Sewers collect water from inside homes and businesses and carry it to treatment plants, where it is cleaned before it reaches streams and rivers. So remember, only rain should go into storm drains, not trash, oil, or other pollutants.

Can you identify the activities that contribute to pollution in your watershed? (See next page for answers)



Let's Go Surfing Now!

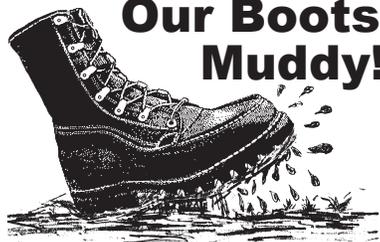
Learn what you can do to prevent pollution in your watershed

<http://water.epa.gov/polwaste/nps/whatudo.cfm>

EPA has developed a web site on how you can help prevent pollution in your watershed. Check out the information on:

- * Landscaping and gardening
- * Maintaining septic tanks
- * Choosing household chemicals

Let's Get Our Boots Muddy!



Storm Drain Stenciling

Most people don't know that storm drains collect storm water runoff and diverts it directly to a stream with any treatment. Stenciling the top of a storm drain inlet with the name of the waterbody the runoff travels to helps remind people that whatever flows into the drain will end up in the stream.

See <http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm?action=browse&Rbutton=detail&bmp=15> to learn how to organize a stenciling project.

has a sweet taste that cats and dogs love). Others are chronically toxic and cause harm over time.

You can help prevent hazardous substances from getting into natural waterways if you:

- Use the product only when necessary and use only the amount needed. When it comes to hazardous chemicals, more is not better.
- Clean up any spills immediately. (Wear protective clothing and gloves.)
- Never flush chemicals down the toilet or pour them onto the ground or into a storm drain.
- Dispose of used oil and other hazardous products in a safe manner. Participate in collection programs or take products to collection centers for disposal.

Fertilizing the Lawn

Green lawns need lots of fertilizer, right? Wrong! Too much fertilizer applied at the wrong time can be very harmful to grass. It can cause disease, weeds, and poor root growth and make your lawn less able to withstand periods of heavy rain or dry weather.

In addition, the same rains that pick up oil, gas, and other hazardous chemicals can also pick up excess fertilizer lying around and carry it to a lake or stream. Instead of making grass grow in your front yard, this fertilizer can make algae and weeds grow in the water.

You can have a nice-looking lawn and still keep streams and ponds healthy if you:

- Use native grasses that do not have high fertilizer requirements.
- Test your soil to find out exactly what nutrients your lawn needs.
- Apply fertilizer only when it is needed, during the right season, and in proper amounts.
- Do not leave fertilizer on driveways and sidewalks where it can be picked up and washed away by runoff from the next storm.
- Do not fertilize if a heavy storm is predicted.

Walking the Dog

Don't be embarrassed to say it—*pet poop is potential pollution*. Pet feces contain a lot of bacteria that can contaminate streams, lakes, and ponds. One study found that a single gram of dog feces contains 23 million fecal coliform bacteria. In a densely populated watershed in Arlington, Virginia (Four Mile Run), scientists estimate that dogs deposit more than 5,000 pounds of poop each day. You can help reduce the amount of pet waste entering local streams if you:

- Pick up after your pet and throw the poop in the trash can.
- Ask your town to set up pet waste stations that provide dog walkers with free plastic bags for picking up poop.

Controlling Insect Pests

Pests are a pain, but getting rid of them can be a greater pain if you do it wrong. Using harsh pesticides can be harmful for people and the environment. According to the Federal Centers for Disease Control, 82 percent of Americans already have the widely used insecticide Dursban in their bodies.

A technique known as integrated pest management is usually the best approach to controlling pests and protecting waterways from pollution (see www.epa.gov/pesticides/controlling). Chemical insecticides are used very sparingly, if at all. The focus is on early identification of pests and natural controls such as introducing predators to feed on the pests and planting plants that are naturally resistant to pests.

You can reduce the use of pesticides at your house if you:

- Learn about integrated pest management and practice it.

Career Corner



A *chemist* researches and develops chemicals and consum products that are safe for the public and the environment.

An *environmental consultant* provides technical support for governments, private industry, or not-for-profit organizations for developing solutions to environmental problems.

Answers from page 1:

1. Man dumping motor oil down the storm drain;
2. Man littering;
3. Eroding stream bank;
4. Sprinkler watering the pavement;
5. Leaking antifreeze from car;
6. Woman using fertilizers and pesticides improperly.



CITY EMPLOYEE TRAINING

TOPIC: Stop Pointless Personal Pollution!

DATE: January 9, 2019

LOCATION: City Hall

DEPARTMENT: Planning and Building, Finance, City Clerk, Human Resources, and Administration

PERSON PROVIDING TRAINING: Mark W. Stephens – Planning, Development & Stormwater Director

METHOD OF TRAINING: Distributed educational materials

ATTENDANCE LOG

NAME

SIGNATURE

Antonia Santiago

[Signature]

Brenda Sandoval

B Sandoval

Renea Rochus

R Rochus

Holley Murray

Holley Murray

Tiffany Davidson

Tiffany Davidson

Patty Sheppard

Patty Sheppard

Joy Seijo

Joy Seijo

Laura Copeland

Laura Copeland

MARK STEPHENS

Mark W. Stephens

David F. Bryant

David F. Bryant

Mark Williams

Mark Williams

Johnny L. Smith

Johnny L. Smith

Albertha Grant

Albertha Grant



STORMWATER
MANAGEMENT

CITY EMPLOYEE TRAINING

TOPIC: Stop Pointless Personal Pollution!

DATE: January 9, 2019

LOCATION: Utility Board Maintenance Shop

DEPARTMENT: Water Works, Gas & Sewer Board

PERSON PROVIDING TRAINING: Mark W. Stephens – Planning, Development & Stormwater Director

METHOD OF TRAINING: Distributed educational materials

ATTENDANCE LOG

NAME	SIGNATURE
Clyde Shaw	
Thomas Thompson	
Kenneth Helms	
Tony McClellan	
Adam Law	
Kevin Gann	
TJ Rader	
Joshua Palmer	
Joshua Martin	
Charles Campbell	
Kerri Harrelson	



CITY EMPLOYEE TRAINING

TOPIC: Stop Pointless Personal Pollution!

DATE: January 9, 2019

LOCATION: Public Library

DEPARTMENT: Library

PERSON PROVIDING TRAINING: Mark W. Stephens – Planning, Development & Stormwater Director

METHOD OF TRAINING: Distributed educational materials

ATTENDANCE LOG

NAME	SIGNATURE
Barbara Rowell	Barbara Rowell
Kathleen Ronan	Kathleen Ronan
Gwen Rollins	Gwen Rollins
Brittany Alexander	Brittany Alexander
Amy Miller	Amy Miller
Stephanie Surratt	Stephanie Surratt
Sara Verker	Sara Verker
Stephanie Parley	Stephanie Parley
Christy Wallace	Christy Wallace



STORMWATER
MANAGEMENT

CITY EMPLOYEE TRAINING

TOPIC: Stop Pointless Personal Pollution!

DATE: January 9, 2019

LOCATION: Street Department

DEPARTMENT: Street and Sanitation

PERSON PROVIDING TRAINING: Mark W. Stephens – Planning, Development & Stormwater Director

METHOD OF TRAINING: Distributed educational materials

ATTENDANCE LOG

NAME	SIGNATURE
Scotty Maddox	Scotty Maddox
Joseph Garato	Joseph Garato
Sammy Meadows	Sammy Meadows
Stanley Carr	Stanley Carr
Cephus Cannon	Cephus Cannon
GREG MORGAN	Greg Morgan
DUSTIN BROWN	Dustin Brown
DAVID W Bentley	David W Bentley
Constance Nativ	Constance Nativ
Rickie Hulsey	Rickie Hulsey

Fire



CITY EMPLOYEE TRAINING

TOPIC: Stop Pointless Personal Pollution!

DATE: January 9, 2019

LOCATION: Public Safety Complex

DEPARTMENT: Fire Department

PERSON PROVIDING TRAINING: Mark W. Stephens – Planning, Development & Stormwater Director

METHOD OF TRAINING: Distributed educational materials

ATTENDANCE LOG

NAME	SIGNATURE
Randy Childs	Randy Childs
Jesse Dee Register	Jesse Dee Register
Jacob Molock	Jacob Molock
Kolby Burgess	Kolby Burgess
Kyle Guice	Kyle Guice
Seth Graham	Seth Graham
Christian Lopez	Christian Lopez
Lee Batley	Lee Batley
Carl Hairrell	Carl Hairrell
Justin Bryant	Justin Bryant
David Bell	David Bell
Kaleb Crosby	Kaleb Crosby
Austin Taylor	Austin Taylor
Dustin Trammell	Dustin Trammell
Justin Minton	Justin Minton



CITY EMPLOYEE TRAINING

TOPIC: Stop Pointless Personal Pollution!
DATE: January 9, 2019
LOCATION: Public Safety Complex
DEPARTMENT: Fire Department
PERSON PROVIDING TRAINING: Mark W. Stephens – Planning, Development & Stormwater Director
METHOD OF TRAINING: Distributed educational materials

ATTENDANCE LOG

NAME	SIGNATURE
James Latta	<i>James Latta</i>
Chris Kennedy	<i>CKK</i>
Tanner Sanderson	<i>Tanner Sanderson</i>
BRANDON MASTERS	<i>Brandon Masters</i>
Chris Storey	<i>Chris Storey</i>
Isaac Vaughan	<i>Isaac Vaughan</i>
Hunter Horton	<i>Hunter Horton</i>
Chris Roberts	<i>Chris Roberts</i>
Zach Gauthier	<i>Zach Gauthier</i>
DARRYL SIMONE	<i>Darryl Simone</i>
Chase Heindel	<i>Chase Heindel</i>
Keith Kalle	<i>Keith Kalle</i>
Joey W. Batey	<i>Joey W. Batey</i>
Walter R. Hebbard	<i>Walter R. Hebbard</i>



CITY EMPLOYEE TRAINING

TOPIC: Stop Pointless Personal Pollution!

DATE: January 9, 2019

LOCATION: Public Safety Complex

DEPARTMENT: Police Department

PERSON PROVIDING TRAINING: Mark W. Stephens – Planning, Development & Stormwater Director

METHOD OF TRAINING: Distributed educational materials

ATTENDANCE LOG

NAME	SIGNATURE
Micki Lipscomb	
Patrick Gibat	
M. A. Tetter	
Wade Horne	
DALE EDWARDS	
Cameron Couch	
Edmund Swain	
Chris Jordan	
James Hodge	
Greg Couch	
Christopher Curvin	
Howard Bishop	
David Tinker	
Shawn Pruitt	
Matthew Johnston	



CITY EMPLOYEE TRAINING

TOPIC: Stop Pointless Personal Pollution!

DATE: January 9, 2019

LOCATION: Public Safety Complex

DEPARTMENT: Police Department

PERSON PROVIDING TRAINING: Mark W. Stephens – Planning, Development & Stormwater Director

METHOD OF TRAINING: Distributed educational materials

ATTENDANCE LOG

NAME	SIGNATURE
Jeremiah Weldon	Jeremiah M. Weldon
Anthony Strawder	Anthony Strawder
Stephon Edmonson	Stephon Edmonson
Clint Ervin	Clint Ervin
Joseph Jaramon	Joseph Jaramon
Rebecca Bishop	Rebecca J. Bishop
River DeLoe	River DeLoe
Christopher Deckard	Christopher Deckard
Nicholas Harbison	Nicholas Harbison 141
Evan Fontiveros	Fontiveros 143



STORMWATER
MANAGEMENT

CITY EMPLOYEE TRAINING

TOPIC: Stop Pointless Personal Pollution!

DATE: January 9, 2019

LOCATION: Community Center

DEPARTMENT: Parks and Recreation

PERSON PROVIDING TRAINING: Mark W. Stephens – Planning, Development & Stormwater Director

METHOD OF TRAINING: Distributed educational materials

ATTENDANCE LOG

NAME	SIGNATURE
Ed Canady	Ed Canady
Leigh Maye	Leigh Maye
Janis Burns	Janis Burns
Chris Strott	Chris Strott
Belinda Johnson	Belinda Johnson
Tim Steerd	Tim Steerd
Liz Dixon	Liz Dixon
Bambi Brown	Bambi Brown
Angie Shockley	Angie Shockley
David Hamilton	David Hamilton
Brady Jones	Brady Jones
Michelle Page	Michelle Page
Michelle Marshburn	Michelle Marshburn
Devin Mobley	Devin Mobley
Eli Jones	Eli C. Jones



STORMWATER
MANAGEMENT

CITY EMPLOYEE TRAINING

TOPIC: Stop Pointless Personal Pollution!

DATE: January 9, 2019

LOCATION: Community Center

DEPARTMENT: Parks and Recreation

PERSON PROVIDING TRAINING: Mark W. Stephens – Planning, Development & Stormwater Director

METHOD OF TRAINING: Distributed educational materials

ATTENDANCE LOG

NAME	SIGNATURE
Frankie Fortenberry	<i>Frankie Fortenberry</i>
Wesley Fortenberry	<i>Wesley Fortenberry</i>
Sam Bragg	<i>Sam Bragg</i>
Lee Stanley	<i>Lee V. Stanley</i>
Lee Hughes	<i>Lee Hughes</i>
Vincent Bailey	<i>Vincent Bailey</i>
Kalen Lewis	<i>Kalen Lewis</i>
Steve Overfield	<i>Steve Overfield</i>
Stephen Corbin	<i>Stephen Corbin</i>
Bryan Glass	<i>Bryan Glass</i>
Duane Hardy	<i>Duane Hardy</i>
Colton Cram	<i>Colton Cram</i>



STORMWATER
MANAGEMENT

CITY EMPLOYEE TRAINING

TOPIC: Stop Pointless Personal Pollution!

DATE: January 9, 2019

LOCATION: Community Center

DEPARTMENT: Parks and Recreation

PERSON PROVIDING TRAINING: Mark W. Stephens – Planning, Development & Stormwater Director

METHOD OF TRAINING: Distributed educational materials

ATTENDANCE LOG

NAME	SIGNATURE
Andrea F. Morris	Andrea F. Morris
Angel Lomax	Angel Lomax
Star Pritchett	Star Pritchett
Antonette Davis	Antonette Davis
Nicholas Bailey	Nicholas Bailey
Peri Willis	Peri Willis
Talesia Atkins	Talesia Atkins
Libby Patterson	Libby Patterson
Deborah E. Gaston	Deborah E. Gaston

SAFETY AND ADEM GOOD HOUSEKEEPING MTG SIGN IN SHEET

Team Leader: Connie Nation
Team Name: Road Rangers
Date: June 2018
Location: Street Deptment
Dept.: Street
Topics Covered: weather / Run off

Team Members

Name	Signature	Date			
Carr Stanley	<i>Stanley Carr</i>				
Chitwood Joeseeph	<i>Joseph Chitwood</i>				
Clark Donald	<i>Donald Clark</i>				
Nation Connie	<i>Connie Nation</i>				
Hodges Boyd	<i>Boyd Hodges</i>				
Meadows Sammy	<i>Sammy Meadows</i>				
Bentley David	<i>David Bentley</i>				
Johnston Karon					
<i>cris Prober</i>	<i>Cris Prober</i>				
<i>clay smith</i>					
<i>Justin Gach</i>	<i>Justin Gach</i>				
<i>Boyd Craig</i>	<i>Boyd Craig</i>				
Total			0	0	0

Suggestions/ Notes

SAFETY AND ADEM GOOD HOUSEKEEPING MTG SIGN IN SHEET

Team Leader: Barry Craig
Team Name: Sparky's Plugs
Date: June 2018
Location: Street Department
Dept.: Street
Topics Covered: weather / Run off

Team Members

Name	Signature	Date			
Maddox, Scotty	<i>Scotty Maddox</i>				
XXXXXXXXXX					
Parker Sonny	<i>Sonny Parker</i>				
Brown, Dustin	<i>Dustin Brown</i>				
XXXXXXXXXX					
Sparks Jeremiah	<i>Jeremiah Sparks</i>				
Blevins Hunter	<i>Hunter Blevins</i>				
<i>Hayden W. H.</i>	<i>Hayden W. H.</i>				
<i>Barry Craig</i>	<i>Barry Craig</i>				
Total			0	0	0

Suggestions/ Notes

SAFETY AND ADEM GOOD HOUSEKEEPING MTG SIGN IN SHEET

Team Leader: Dennis Griffin
Team Name: City Slickers
Date: March 2019
Location: Street Deptment
Dept.: Street
Topics Covered:

Team Members

Name	Signature	Date			
Hulsey Rickey	<i>[Signature]</i>				
Cannon Cephus	<i>Cephus Cannon</i>				
Ganato Joe	<i>Joe Ganato</i>				
Griffin Dennis	<i>[Signature]</i>				
Hawthorn Ray	<i>[Signature]</i>				
Morgan Greg	<i>[Signature]</i>				
Total			0	0	0

Suggestions/ Notes
