

**Storm Water Pollution Prevention
Clean Water: Our Only Choice**

The City of Bartlett has two drainage systems – the sewers and the storm drains. The storm drain system was designed to prevent flooding by carrying excess rainwater away from streets, homes, and businesses. Because the system contains no filters, it also serves the unintended function of carrying urban pollution straight into our streams and eventually the Mississippi River.

This pamphlet provides examples of how you can reduce or eliminate pollution from entering our streams from “storm water” or “urban runoff”.

Rain, industrial and household water mixed with urban pollutants creates storm water pollution. The pollutants include: oil and other automobile fluids, paint and construction debris, yard and pet wastes, pesticides and litter.

Urban runoff pollution eventually flows to the Mississippi River through the storm drain system that takes water and debris straight from the streets to our streams. Each day tremendous amounts of polluted urban runoff enters our streams untreated, leaving toxic chemicals in our creeks and river and tons of trash along their banks.

Urban runoff contaminates our streams and rivers, harms aquatic life and increases the risk of flooding by clogging our storm drains and catch basins. Overall, storm water pollution costs us millions of dollars per year.

These Best Management Practices (BMPs) will help reduce storm water runoff pollution and ensure cleaner streams and rivers, and a cleaner City of Bartlett. For more storm water information, call the Storm Water Coordinator, 385-6499.

For more information please visit our website at:
<http://www.cityofbartlett.org> or
<http://tn.gov/environment/water.shtml>

Hazardous Spill Response

City of Bartlett Fire Dept
911 or (901) 385-5555

To Report Illegal Dumping

City of Bartlett
(901) 385-5555

To Report a Drainage Problem

Department of Public Works
(901) 385-5570

Storm Water Program Information

Department of Engineering and Utilities
(901)385-6499

Material printed by City of Bartlett
Department of Engineering and Utilities



This brochure is one of a series of pamphlets describing storm drain protection measures. Other pamphlets include:

- Landscaping, Gardening & Pest Control**
- Food Service Industry**
- Heavy Equipment & Earth-Moving Activities**
- Detention Basin Maintenance**
- Home Repair & Remodeling**

For more information or assistance, call or write:

City of Bartlett
Department of Engineering & Utilities
6382 Stage Road, Bartlett TN 38134-3739
901-385-6499
<http://www.cityofbartlett.org>

City of Bartlett Storm Water Management Division
6382 Stage Road
Bartlett TN 38134-3739
(901) 385-6499

**Storm Water
Best Management
Practices
(BMPs)**



**Automotive
Maintenance &
Car Care**

Brochure 3

- Gas Stations**
- Auto Repair Shops**
- Auto Body Shops**
- Car Dealerships**
- Mobile Fleet Managers**
- Mobile Fleet Washing
Businesses**

Car Maintenance Problems

Many common car maintenance routines contribute to storm water pollution. Washing the car or pouring used motor oil into a street gutter or storm drain pollutes our streams and eventually the Mississippi River.

Water runoff from streets, parking lots and driveways picks up oil and grease dripped from cars, asbestos worn from brake linings, zinc from tires and organic compounds and metals from spilled fuels. These chemicals eventually drain into the Mississippi River and its tributaries, harming the fish and aquatic life.

Oil and grease, for example, clog fish gills and block oxygen from entering the water. If oxygen levels in the water become too low, aquatic animals die.

Solutions

Best Management Practices (BMPs) such as handling, storing and disposing of materials properly can prevent pollutants from entering our storm drains.

1. Cleaning Work Sites

Don't hose down your shop floor. It is best to sweep it regularly.

Use non-toxic cleaning products. Baking soda paste works well on battery heads, cable clamps and chrome; mix soda with a mild biodegradable dishwashing soap for wheels and tires; for windows, mix white vinegar or lemon juice with water.

2. Spills

Prepare and use easy to find spill containment and cleanup kits. Include safety equipment and cleanup materials appropriate to the type and quantity of materials that could spill.

For small spills, pour kitty litter, sawdust or cornmeal on spills to bind liquids. For information on proper disposal, contact the Tennessee Division of Solid Waste Assistance at (615)532-0780.

3. Fluids

Your customer's regular car maintenance prevents fluids from leaking onto streets and washing into storm drains. It's also good for business.

Change fluids carefully. Use a drip pan to avoid spills.

Prevent fluid leaks from stored vehicles. Drain fluids such as unused gas, transmission and hydraulic oil, brake and radiator fluid from vehicles or parts kept in storage.

Implement simple work practices to reduce the chance of spills. Use a funnel when pouring liquids (like lubricants or motor oil) and place a tray underneath to catch spills. Place drip pans under the spouts of liquid storage containers. Clean up spills immediately.

4. Washing Vehicles

Prevent oil and grease, suspended solids and toxins from washing into the storm drains.

Designate a washing site where water drains to the sanitary sewer system. The area must be paved and well marked as a wash area. Post signs prohibiting oil changes and washing with solvents. Train all employees to use the designated area.

Wash vehicles with biodegradable, phosphate-free detergent. Use a bucket (not a running hose) to wash and rinse the car and conserve water.

5. Fueling Vehicles

Gas and diesel spills are common when fueling vehicles.



Design fuel areas so that all spills are contained and runoff cannot carry spills into storm drains. Slope the containment area toward drains connected to the sanitary sewer system. Equip the drain with a shutoff valve in the event of a large spill.

Cover the fueling area to keep rain from washing away spilled materials. Extend the cover several feet beyond the containment area.

Keep absorbent materials on site to allow prompt cleanup of spills.

Post signs instructing people not to overfill gas tanks. Overfilling causes spills and vents gas fumes to the air.

6. Recycle...

Recycle what you can:

- ◇ Metal scraps
- ◇ Used tires
- ◇ Aluminum
- ◇ Used oils
- ◇ Water-based paints
- ◇ Paper and cardboard
- ◇ Antifreeze

Check the yellow pages under "Recycling" to locate a recycling facility for your particular product.

7. Employee and Customer Education

Educate your employees. Include water quality training in new-employee orientations and conduct annual review sessions. Contact the City of Bartlett Storm Water Coordinator if you need assistance.

Educate your customers. Raise both employee and customer awareness by stenciling storm drains near the work place with the Storm Water Program Stencil or placard — "NO DUMPING — DRAINS TO RIVER."

