

Stormwater runoff can pick up pollutants in and around gas station areas that have harmful effects on aquatic life in the creek and the surrounding ecosystem.



For more information or to report a spill, contact the City of Lawton Stormwater Department:

Phone:

(580) 581-3478

Email:

Stormwater@lawtonok.gov

Address:

2100 SW 6th
Lawton, OK 73501

To report pollution, illicit discharge, or illegal dumping, call our pollution hotline:

(580) 581-3565



Stormwater Pollution Prevention for Gasoline Stations



Potential Pollutant Sources

- ◆ Fueling Areas
- ◆ Dumpster Area
- ◆ Air Supply Area

Pollutants Include, but are not limited to:

- ◆ Oil and gas spilled onto paved areas are easily washed away by water, either from hoses or rainfall. One gallon of oil can contaminate one million gallons of water!
- ◆ Engine and brake residues contain antifreeze, grease, oil, copper, and even asbestos.
- ◆ Engine degreasers contain copper and brass.
- ◆ Lead, oil, and grease are residues of radiator flushing.
- ◆ Oil, grease, and detergents drain from car washing. • Engine washing releases aluminum and iron.
- ◆ Brakes are a source of asbestos and cadmium washes from tires.

Pollution Prevention

The following are effective pollution prevention activities:

- ◆ Use non-toxic cleaning substances.
- ◆ Reduce storm water flow across parking lots and redirect flow away from storm drains.
- ◆ Reduce the use of water to clean parking lots by using dry methods such as sweeping.
- ◆ Provide employee training for good house-keeping practices.

Best Management Practices

The US Environmental Protection Agency (USEPA) definition of a Best Management Practice (BMP) is a technique, process, activity, or structure used to reduce the pollutant content of a storm-water discharge. BMPs include simple, nonstructural methods, such as good housekeeping and preventive maintenance. BMPs may also include sophisticated, structural modification, such as the installation of the sediment basins.

Recommended BMPs

General

- ◆ Contain Wash water. Do not dispose of in gutter or street
- ◆ Inspect for and clean leaks and drips routinely.
- ◆ Label drains with the facility boundary to indicate whether they flow to a grease trap, sewer, or storm drain.
- ◆ Maintain good housekeeping

- ◆ Use dry clean up methods rather than spraying with a hose.
- ◆ Position roof downspouts to direct water away from the fueling area.
- ◆ Slope pavement near fueling areas to prevent ponding.
- ◆ Install protective guards around tanks and piping to prevent spills.

Dumpster Area

- ◆ Use water tight receptacles and keep lids closed.
- ◆ Grade the area around the dumpster to prevent run off of storm-water.
- ◆ Put a roof over dumpster area.
- ◆ Place low containment berms around the area.
- ◆ Empty dumpster frequently

Spill Clean Up

- ◆ Develop and maintain a spill response plan.
- ◆ Have a supply of spill clean up materials.
- ◆ Spot clean leaks and drips daily.
- ◆ Use very little water when cleaning up leaks or spills.
- ◆ Keep spills from entering the street and storm drains.

Should a large spill/leak occur:

- **Know where the emergency shutoff is**
- **Contact the appropriate emergency personnel**
- **Begin containment protocols immediately**

ONLY RAIN DOWN THE STORM DRAIN!!!