

(BMPs) Best Management Practices

Site Practices

Erosion Controls

- Erosion Control Blankets
- Vegetative Cover
- Straw Mulching
- Hydro Seeding
- Bonded Fiber Matrixes
- Straw and Tackifier
- Diversion Berms
- Slope Drains
- Turf Reinforcement Mats
- Grass-Lined Swales
- Permanent Vegetation
- Slope Stabilization

Sediment Controls

- Rock-Stabilized Entrances
- Silt Fences
- Straw Wattle
- Inlet Protection
- Curb Socks
- Check Dams
- Fiber Rolls
- Rip Rap
- Detention Facilities
- Sediment Traps
- Sand Bags & Rock Bags
- Detention Facilities

Pollution Prevention

- Street Sweeping
- Spill Prevention Kits
- Paint Wash Out Areas
- Dust Control
- Litter Removal
- Non-Storm Water Discharge
- Containment (Dry Weather)

For more information on Storm Water Quality issues, contact the Little Rock Public Works Department, Civil Engineering Division
701 W. Markham St.
Little Rock, AR 72201

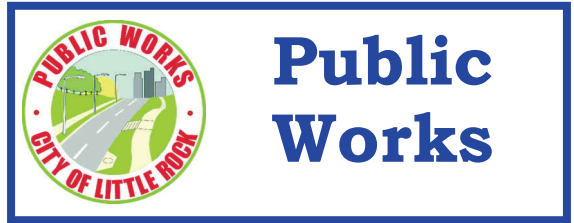
Please call: (501) 371-4811
Website: www.littlerock.org

Arkansas Department of Environmental Quality— ADEQ

Helpline: (501) 682-0923
Website: www.adeq.state.ar.us



**Storm Water Quality is a
Community Wide Responsibility**



A Commercial Builders Guide To Storm Water Runoff



**City of Little Rock
Public Works Department
Civil Engineering Division
(501) 371-4811**

Help Little Rock, Control Storm Water Pollution...It Matters To Us All!

What is Storm Water Run-Off ?

Storm water run-off from construction sites can have a significant impact on Little Rock's water quality. Sediment is the number one pollutant of streams in the nation. As storm water flows over a construction site, it picks up pollutants like sediment, debris and chemicals. These pollutants and sediment can have profound long term effects on the quality of our streams and rivers.



Uncontrolled storm water run off from a construction site.

Why is Storm-Water Run-Off a Problem ?

Sedimentation caused by storm water run-off can destroy aquatic habitat and high volumes of run off can cause stream bank erosion as well. When sediment flows into a waterway, it has the power to suffocate a stream.

Best Management Practices

A BMP is a method used to prevent or control storm water runoff. Every construction site is different and may require different BMPs and strategies for preventing erosion.

This publication will focus on three of the most important BMPs: *Silt Fences*, *Site Stabilization* and *Creek Protection*.

1. Correctly install Silt Fences

- Make sure the bottom of the silt fence is buried in the ground.
- Securely attach the material to the stakes
- Inspect and maintain silt fences after each rainstorm.
- Make sure storm water is not flowing around or under the silt fence.

2. Stabilize the Site

- Plant mulch or otherwise stabilize all exposed areas as soon as land alterations have been completed.
- Stabilize areas where construction has stopped, even temporarily. Install stabilization measures within 21 days of stopping construction in an area.
- Sequence construction activities so soil is not exposed for long periods of time.
- Schedule landscaping for immediately after the land has been graded to it's final contour.
- Preserve vegetative buffers around site perimeter and local waterways.

3. Protect Storm Drain Inlets and Local Creeks

- Large Sites (10 acres or more) should have sediment basins
- Place hay bales with silt fences around drop inlets to filter sediment.
- Place silt fence around local waterways to capture sediment.
- Use rock check dams with a spillway to filter sediment to protect area creeks
- Clean and maintain storm drain filter ponds.

What is required?

A.D.E.Q. Requirements

The Arkansas Department of Environmental Quality or A.D.E.Q. requires a Storm-water Permit for Construction Activities. If your construction site disturbs one acre or more of soil (or less than one acre in a larger development), you are subject to permit requirements. Additional information can be found on their website: www.adeq.state.ar.us

City of Little Rock Requirements

Storm Water Management requirements can be found under Chapter 29 of the City of Little Rock's Municipal Code. All private development shall be in accordance with the City of Little Rock's Storm Water Drainage Manual and Standard Details. This information can be obtained through the City's website at www.littlerock.org or call the number below.

For more information, call (501) 371-4811