

Stormwater and the Construction Industry

Silt Fencing



Bad



Good

- Inspect and maintain silt fences after each rainstorm.
- Bury the bottom of the silt fence in the ground.
- Securely attach fabric to stakes.
- Silt fences are not intended for use in channel flow.
- Make sure stormwater does not flow around silt fence.

Vegetative Buffers



Bad



Good

- Protect and install vegetative buffers along waterbodies to slow and filter stormwater runoff.
- Maintain buffers by mowing or replanting periodically to ensure their effectiveness.

Storm Drain Inlet Protection



Bad



Good

- Select a filter that will filter out trash and debris.
- Maintain filters regularly, remove silt and debris after rains.

Dirt Stockpiles



Bad



Good

- Cover or seed all dirt stockpiles when they will be undisturbed for 3 weeks or more.
- Provide silt fence around temporary stockpiles.

Links for Stormwater Information

http://www.tceq.state.tx.us/nav/permits/wq_const_ruction.html

<http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm>

Make sure your construction plans have been approved by Brazos County. Call the County Engineers office to have an inspector assigned before starting any construction.

Call 979-822-2127

Construction Entrances



Bad



Good

- Remove mud and dirt from the tires of construction vehicles before they enter a paved roadway
- Properly size entrance BMP's for all anticipated vehicles.
- Make sure that the construction entrance does not become buried in soil.
- Monitor paved roads and remove mud immediately upon discovery.

Site Stabilization



Bad



Good

- Vegetate, mulch, or otherwise stabilize all exposed areas as soon as land alterations have been completed.

Link to [Brazos County](#)

DO I NEED A PERMIT?

All land-disturbing activities, including clearing, grading, and excavation, that disturb 1 or more acres are required to have Storm Water Pollution Prevention Plan (swp3). If you are disturbing 5 acres or more you need coverage under the Construction General Permit TXR150000. For more info go to http://www.tceq.state.tx.us/nav/permits/sw_permits.html

WHAT TO DO IF YOU NEED COVERAGE

- Make sure you have a site specific permit or post the site notice if you are disturbing 1 to 5 acres.
- Implement your SWP3
- Maintain records of construction activities, including dates (start, temporarily cease, permanently cease, stabilization complete)
- Maintain records of inspections.
- Modify the plan if changes are needed.
- Report releases of hazardous materials.

SOIL EROSION CONTROL TIPS

- Minimize the amount of exposed soil on site.
- Reduce runoff velocities with diversions, vegetated buffers, check dams, perimeter filters, and silt fences.
- Protect defined channels and provide sod, geotextiles, riprap, and other stabilization measures.
- Keep sediment on site with stone construction entrances, regular street sweeping, and sediment traps.
- Maintaining all BMP's is critical to ensure their effectiveness during the life of the project Regularly remove sediment, ensure geotextiles and mulch remain in place until revegetation, and maintain protective fences.