

Storm Water Management Program

In May of 2001 the governmental agencies that make up ALOA joined together to address EPA's upcoming Phase II requirements.

This brochure is one of a series of publications regarding storm water issues in Lee County.

The series is produced by the ALOA Storm Water Advisory Panel and is intended to protect, maintain, and restore the chemical, physical, and biological integrity of local waters in order to enhance the quality of life for our citizens.



Cleaner streams provide a benefit to all.

Materials Management



CONTACT INFORMATION

For more information regarding your community's storm water program please contact the following agencies:

City of Auburn – Department of Water Resource Management
334-501-3077

<http://www.auburnalabama.org/water/phase2stormwater.html>

Lee County – County Engineer
334-745-9792
www.leeco.us

City of Opelika – Department of Public Works
334-705-5400
www.opelika.org

Auburn University – Risk Management and Safety
334-844-4805
www.auburn.edu/administration/rms/



STORM WATER MANAGEMENT PROGRAM

Materials Management on Construction Sites



“Local Citizen Groups and Government Working Together for Clean Water”

WHAT IS MEANT BY MATERIALS MANAGEMENT

Responsible management of common chemicals, such as fertilizers, solvents, paints, cleaners, and automotive products, can significantly reduce polluted runoff. Such products must be handled properly in all stages of development, use, and disposal. Materials management entails the selection of the individual product, the correct use and storage of the product, and the responsible disposal of associated waste.

APPLICABILITY

In many cases, building sites can implement simple housekeeping practices in order to manage materials more effectively. Proper management reduces the likelihood of accidental spills or releases of hazardous materials during storm events. In addition, health and safety conditions at the facility will improve.

Materials management involves procedures and practices designed to reduce or eliminate pollution of stormwater from stored materials.



MATERIALS MANAGEMENT

The following environmental stewardship practices are recommended in managing materials at construction sites:

- Minor slides often occur during major storms. Stockpiles should be removed as soon as possible and materials should be placed so that waterways are not impacted.
- During rain events, stockpiles of "cold mix" asphalt should be covered. During rain events, soil stockpiles should be covered or protected with appropriate erosion control measures.
- During rain events, stockpiles of Portland cement concrete rubble, asphalt concrete rubble, aggregate base or aggregate sub base should be covered or protected with appropriate control measures.

MATERIALS STORAGE

Sites where chemicals, cements, solvents, paints or other potential water pollutants are to be stored should be isolated in areas where they will not cause runoff pollution.

Toxic chemicals and materials such as pesticides, paints, corrosives should be stored according to manufacturers guidelines

Overuse of chemicals should be avoided and great care should be taken to prevent accidental spillage.

Secondary Containment Facilities

Construction sites often lack adequate secondary containment facilities.

- Liquids, petroleum products, and substances listed in CFR Title 40, Parts 110, 117, and 302 should be stored within secondary containment facilities.
- During the rainy season, each containment facility should have a cover to prevent overflows or loss of storage capacity.

Bagged and Boxed Material

Bagged and boxed material must also be properly stored.

- Store materials on pallets and do not allow them to accumulate on the ground.
- Protect from wind and rain during the rainy season and prior to predicted storm events.

Additional Resources

EPA National Pollutant Discharge Elimination System

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

ADEM Construction Permitting

<http://www.adem.state.al.us/FieldOps/Permitting/Construction/Construction.htm>

Center for Environmental Excellence

http://environment.transportation.org/environmental_issues/construct_maint_prac/compendium/manual/4_1.aspx