Construction Site Runoff

• On February 1, 2011, Alabama Department of Environmental Management (ADEM) issued Phase 2 of The University of Alabama National Pollutant Discharge Elimination System (NPDES) stormwater discharge permit.
As part of the UA discharge permit, EHS has developed a stormwater management plan which is composed of 6 elements.

- Construction site runoff is one of the six minimum control measures.
Best Management Practices

- The Best Management Practices (BMPs) for the construction site runoff control measure are:
  - Plan Review
  - Education
  - Inspections
  - Problem Reporting
Plan Review

• Construction Administration will review construction plans to ensure they contain sediment and erosion control plans and conformance to stormwater guidelines.
Education

• Training will be provided to UA project managers and construction site supervisors regarding site management, inspections and how to report discharges.
Site Inspections

• Construction site inspection procedures for project managers and site supervisors have been developed by Construction Administration.

• Contractors will perform daily self-inspections and take immediate action when noncompliance conditions are observed.
Site Inspections

• UA Project Engineers will perform inspections of construction sites and undertake corrective action as required.

• Inspection results are reported to Construction Administration.

• Individuals observing problems connected with construction sites may report the issue to EHS at 205-348-5905 or Construction Administration at 205-348-5950.
Site Management

• There are two main best management practices that may be utilized for control of stormwater at construction sites:
  • Stabilization Practices
  • Structural Practices
Stabilization Practices

• Stabilization practices help prevent erosion that contributes sediment to stormwater

• Typical Stabilization Practices
  • Seeding
  • Mulching
  • Sod Stabilization
  • Vegetation Buffer Strips
  • Protection of Trees
  • Preservation of Mature Vegetation
  • Decreasing Slope Angles or Lengths
Structural Practices

- Structural practices diverts flow from exposed soils, stores flow, or limits runoff and the discharge of pollutants from exposed areas of the site. Typical structural practices can include:
  - Silt Fences
  - Earth Dikes
  - Drainage Swales
  - Sediment Traps
  - Check Dams
  - Subsurface Drains
  - Storm Drain Inlet Protection
  - Soil Retaining Systems
  - Sediment Basins
Annual Report

- Information related to the construction site runoff minimum control measure will be included in the annual report.
Environmental Health & Safety

- For any concerns, questions, or comments regarding stormwater, contact Environmental Health & Safety (EHS) at 205-348-5905.