STORMWATER PROGRAM Construction Site Runoff Control

THE UNIVERSITY OF ALABAMA®

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.



Construction Site Runoff

- As part of the UA discharge permit, EHS has developed a stormwater management plan which is composed of 6 elements.
 - Construction site runoff control is one of the six minimum control measures.



Construction Site Runoff Control

Best Management Practices

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



Plan Reviews

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

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Education

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





Construction Site Runoff Control

Construction Site Inspections

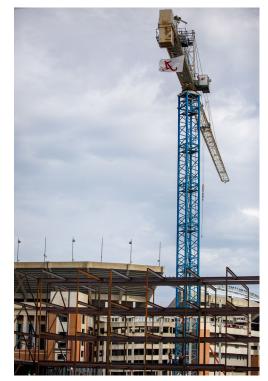
- Construction site inspection procedures for project managers and site supervisors have been developed by Construction Administration.
- Contractors will perform daily self-inspections and take immediate action when noncompliance conditions are observed.





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 contribute 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 divert flow from exposed soils, stores flow, or limit 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.



Construction Site Runoff Control



Environmental Health & Safety

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