



STORMWATER PROGRAM
Illicit Discharge Detection & Elimination

THE UNIVERSITY OF ALABAMA®

Illicit Discharge Detection and Elimination

- 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.



Illicit Discharge Detection and Elimination

- As part of the UA discharge permit, EHS has developed a stormwater management plan which is composed of 6 elements.
 - Illicit discharge detection and elimination is one of the six minimum control measures.



Best Management Practices

- The Best Management Practices (BMPs) for the illicit discharge detection and elimination measure are:
 - Storm Sewer Map Maintenance
 - Dry Weather Inspections
 - Employee Training
 - Illegal Dumping Detection



Storm Sewer Map

- Construction Administration maintains a storm sewer map which marks the inlets and outlets of the system.
 - The map is updated as lines, outfalls, etc. are added or removed.



Dry Weather Inspections

- Each outfall will be inspected at least annually.
- Dry weather field screening is designed to detect illicit discharges into the storm sewer system.
- Dry weather screening is conducted annually or as a follow-up to an investigation or complaint.



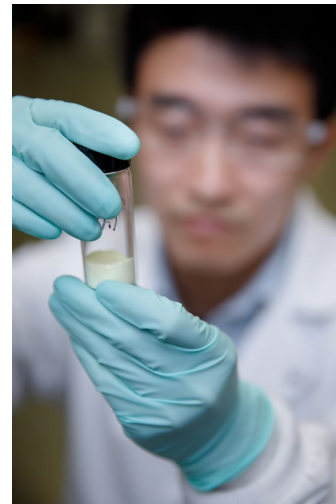
Dry Weather Screening

- Dry weather screening can only be conducted when more than 72 hours has passed since the last rain event of greater than 0.10 inches.
- Dry weather screening includes observations for:
 - Odor
 - Color
 - Clarity
 - Floatables
 - Deposits
 - Stains
 - Vegetation
 - Biologicals
 - Sewage



Lab Analysis

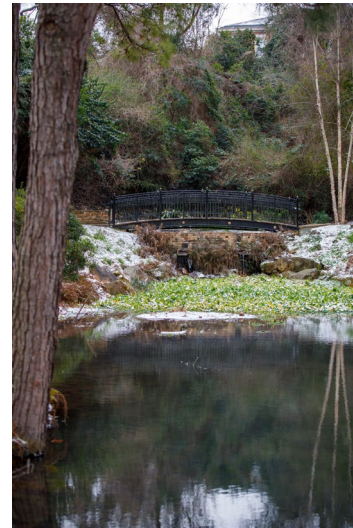
- Dry weather screening lab analysis includes tests for:
 - pH
 - Copper
 - Detergents
 - Ammonia
 - Chlorine
 - Fluoride
 - Phenols
- All dry weather screening procedures must follow NPDES guidelines.



Identification of a Potential Illicit Discharge

- Identification of a potential illicit discharge at the outfall would include an observation of

- Bad or unusual odor
- Unusual colors
- Cloudy water
- Floatables
- Sediment
- Vegetation in water
- Sewage odor
- Oil sheen or stains
- Presence of mosquitos



- If any of these conditions are observed contact EHS at 205-348-5905 or Construction Administration at 205-348-5950 as soon as possible.

Potential Illicit Discharge

- Once advised of a potential illicit discharge, EHS will document the report and begin working to identify the source and characteristics of the discharge.
- Mitigation will involve utilization of UA resources to track the discharge back through the storm sewer system to the originating source.



Training

- EHS will train UA personnel regarding the dry weather screening process and the identification of illicit discharges.



Annual Report

- EHS will include tracking, reporting, screening, sampling and remedial actions taken regarding illicit discharges in the annual report.





Environmental Health & Safety

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