THE UNIVERSITY OF ALABAMA® | Division of Financial Affairs Environmental Health & Safety

Phase II Annual Report 2018

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The steps to reduce pollutants are detailed through the Best Management Practices (BMPs). BMPs are used to educate and inform including: Public Education and Outreach, Public Involvement, Illicit Discharge and Elimination, Construction Site Run Off Control, Post Construction Site Run Off and Pollutant Prevention

I. Public Education and Outreach

EHS developed a public education and outreach program designed to inform and educate the campus and the community at large. The pollution impact of Storm Water discharges on local bodies of water is significant.

1) Multi-Media Platforms

a. Public service advertisements are utilized. Notices and educational information are printed in regular intervals included but not limited to the Crimson White newspaper as well as on the transit buses.

b. EHS maintains a website which provides information, educational opportunities and the written Storm Water Management Program at http://ehs.ua.edu/operations/environmental-programs/stormwater-management-program/

c. Social Media including Facebook (https://www.facebook.com/EHSUA1/) and Twitter (https://twitter.com/EHSUA) are used to provide information to the community.

2) Training (Impacts and Prevention of Illegal Dumping, Water Quality Importance and Construction Regulation)

a. Educating the campus community on the impact of illegal dumping and littering is an aspect of the educational and public service materials.

b. Training modules and information related to construction on campus are included on the EHS website. *Storm Water Pollution* is one course available online through Skillport Academy at http://ehs.ua.edu/training/list-of-training-courses/ for employees of the University. Additional in person training is listed on the EHS website.

c. Education of the campus community regarding the importance of water quality is a priority of the public service and information program provided by EHS.

3) Education of University and Contractor Project Managers

All construction project supervisors are required to complete training modules developed to detail elements of sediment, erosion control and other construction aspects related to Storm Water management. This program is managed by Richard Powell P.E., Staff Civil Engineer with Construction Administration.

II. Public Involvement

EHS solicits public involvements in the Storm Water management program with the Storm Water Committee and the marking program.

1) Storm Water Management Committee

EHS is the chair of this committee. The current members include:

Delphine Harris- Interim Director of EHS, Executive Director of BPI
Jay Thomas- Environmental Services Technician
Joey Howell- Hazardous Materials Technician

Tim Leopard- Associate Vice President for Construction (Optional)
Laverne Harris- AVP Business Activities – (Laverne has some additional questions)
Randal Winters- Director of Garage Services
Mike Turner- Plumbing Shop Manager
Tony Johnson- Senior Executive Director Logistics & Support Services
Julie Salter- Assistant Director of Student Media
Tom Love, Assistant Vice President for Construction Administration (Optional)
Richard Powell, Staff Civil Engineer, Construction Administration
Al Willingham, University Surveyor, Construction Administration
Mike Brass- University Recreation & Grounds Manager
Brandon Sevedge – Director of Athletic Facilities
Joe Cobb, Director of Construction Operations

A meeting will be held in early 2018. The agenda will include updated training information, changes in regulation, advertising campaign, outfall inspections, UA vehicles fluid discharges and other items.

2) Storm Sewer Marking
Approximately 50% of the storm sewer covers on campus have been marked with "No Dumping Drains to River" disc or new covers which are marked when manufactured. This is a 20% increase from 2014.

III. Illicit Discharge Detection and Elimination
This measure focuses on BMPs concerned with the detection and elimination of illicit discharges.

1) Storm Water Sewer System Map
A new updated system map was completed in late 2011. Modifications and additions are made as they occur.

2) Dry Weather Inspections
Annual dry weather screenings were completed for 2017. No problems were observed or detected at any outfall.

3) Employee Training
The number of UA personnel trained as part of this BMP was 303. Personnel from EHS, Construction Administration, UA Facilities & Grounds are included.

4) Illegal Dumping Detection and Reporting
Dry weather screening has been developed to identify potentially illegal discharges. Training has been provided regarding how to identify and report illicit discharges. There were no reports of identifications of illicit discharges or dumping in 2017.

IV. Construction Site Runoff Control
This control measure consists of ways to reduce pollutants in runoff from construction sites. Sediments are of the greatest concern.

1) Education
Training includes site management, reporting discharges and evaluation of inspection results. This provides to project supervisors and construction site operators. In 2017, over 100 individuals completed training modules.

2) Construction Plan Review
All UA construction plans incorporate BMPs. Written sediment and erosion control plans are part of

all applicable construction plans. All have been reviewed and approved. None have been significantly modified or rejected.

3) Construction Site Inspections
Contractors and project managers are required to conduct construction site inspections. The only corrective actions required in 2017 involved silt fence maintenance.

4) Construction Site Problem Reporting
There have been no public reports related to construction site problems.

V. Post Construction Site Runoff

1) Plan Review
All construction plans are viewed to determine if post construction runoff will negatively affect water quality. There have been no elements requiring a plan revision.

2) Protection of Sensitive Waters
The 303(d) listing of impaired waters is routinely reviewed to ensure that local bodies of water which receive Storm Water runoff are not listed.

3) Local Interaction
The University interacts with the City of Tuscaloosa which is an adjacent MS4.

VI. Pollutant Prevention
This control measure is designed to reduce and eliminate pollutants in Storm Water that originates from operation and maintenance activities.

1) Roadway Maintenance
During 2017, there were no significant roadway maintenance projects.

2) Street Sweeping
The University dedicates 40 man hours per week to street sweeping roadways. All campus roads are included.

3) Litter Collection
Trash collection is a daily activity on campus. The location of trash receptacles is periodically evaluated. Over 300 hours per week are dedicated to trash and litter collection.

4) Herbicide Application
Landscaped areas, open spaces, athletic fields, and recreational areas are among the University Grounds which are regularly treated with herbicides. Approximately, 1600 gallons of dilute end product is applied per week during growth seasons

5) Vehicle Maintenance
The University operates a full-service garage. Maintenance and service records are available for review at the UA garage.

6) Hazardous Material Involvement
EHS continues to operate a turnkey hazardous material management program. This includes an inventory system, audits and disposal of hazardous materials.

7) Employee Training
Over 300 University personnel have received training regarding pollution prevention and good housekeeping. These personnel are from EHS, Facilities & Grounds and other areas on campus. No Storm Water related incidents, that resulted in enforcement activities, occurred during 2017.