

Storm-water

University Facilities (UF)
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Approved by: Bob Wells, updated Todd Barnette

This document establishes official Standard for Storm-water Management

Purpose

This Standard is designed to advance the university goal aimed at creating healthy, safe and attractive environments. This Standard establishes a sustainable approach to storm-water issues that will create a more stable and rich environment while reducing toxicity, peak flows, and meeting the requirements of the South Carolina National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges from Regulated Small Municipal Storm Sewer Systems (SMS4).

Related Documents

- Guidelines for Commission Architects and Engineers – previously known as The Green Book
- Clemson University Storm-water Management Plan (SWMP);
- Enforcement Response Plan (ERP);
- Clemson University Storm-water Management Practices and Design Manual (Manual).

Statement of Standard

As part of Clemson University's commitment to providing a healthy, safe, and sustainable environment, the University commits itself to not only meeting the NPDES SMS4 Permit requirements, but also pursuing low impact development (LID) methods where practical. This Standard serves as the guiding document which gives authority to the SWMP, The Guidelines for Commission Architects and Engineers, Clemson University Storm-water Management Practices and Design Manual, and the ERP for specific requirements.

The SWMP for Clemson University has been developed to maintain compliance with the NPDES SMS4 Permit. This SWMP should be referred to as the authoritative document for all storm-water related activities within the Clemson University SMS4.

The Guidelines for Commission Architects and Engineers will serve to define recognized Best Management Practices (BMPs) and their design standards and BMPs recognized as LID by Clemson University.

The Storm-water Management Practices and Design Manual will establish requirements for management of storm-water on the University campus.

The ERP will provide guidance for violation response and enforcement of this Standard and the SWMP.

Definitions

"Best Management Practices" – any device, practice, or procedure that has demonstrated to effectively control either the quality and/or quantity of storm-water runoff while maintaining compatibility with the planned land use.

"Low impact development" - a strategy for storm-water management that mimics the natural hydrological system functions of discharge, frequency, recharge and volume.

"Small Municipal Separate Storm Sewer System (SMS4)" – in the context of this Standard, an SMS4 is the storm-water system owned and operated by Clemson University

"South Carolina Department of Health and Environmental Control (SCDHEC)" - State Agency that promulgates the Environmental Protection Agencies (EPA) program allowing the discharge of storm-water to Waters of the State (WoS).

Objectives

The objectives of this Standard are to:

- Manage natural resources and campus needs harmoniously through planning, collaboration, design, construction, maintenance, and overall decision making.
- Ensure compliance with SMS4 regulatory requirements defined by SCDHEC Establish LID as the preferred method for storm-water management
- Increase awareness through a whole community conversation about community and individual responsibilities related to prevention of storm-water pollution.

Implementation

This Standard will be implemented through the planning, design, and construction of new facilities, and through retrofits to existing areas.

Monitoring and Auditing

Monitoring and auditing will be done in accordance with MS4 Permit Requirements as described in the SWMP.

Responsible Parties

Clemson University Facilities shall be responsible for day-to-day coordination, implementation and enforcement of this Standard and the SWMP. This includes responsibility for, but is not limited to, the SWMP's monitoring program and the SWMP's storm water management programs for public education and outreach on storm-water impacts, public involvement/participation, illicit discharge detection and elimination, construction site storm-water runoff control, post-construction storm-water management for new development and redevelopment, and pollution prevention/good housekeeping for municipal operations. Without limitation of the foregoing, Clemson University Facilities shall have the following specific powers and duties:

1. To issue any permit, certification or license that may be required by the SWMP or this Standard.
2. To deny a facility connection to the University SMS4 or discharge to Waters of the State if the requirements of State and Federal Storm Water Regulations and this Standard are not met.
3. To approve Storm-water Pollution Prevention Plans (SWPPPs) and to require as a condition of such approvals structural or non-structural controls, practices, devices or operating procedures required under the SWMP.
4. To require performance bonds of any person to secure that person's compliance with any SWPPP, permit, certificate, license or authorization issued or approved by Clemson University Facilities pursuant to the SWMP.
5. To enforce all Federal and State regulatory requirements promulgated or imposed pursuant to the Clean Water Act and the South Carolina Storm-water Management and Sediment Reduction Act, applicable to the management of storm-water discharges to or from the University SMS4.
6. To conduct all activities necessary to carry out the SWMP and other requirements included in the NPDES SMS4 Permit and this Standard and to pursue the necessary means and resources required to properly fulfill this responsibility.

7. To enter into agreements with other governmental entities or private persons or entities to provide or procure services to conduct and carry out storm-water management activities and this Standard.
8. To develop and conduct training programs required under the NPDES SMS4 Permit.

Enforcement

Enforcement actions associated with this Standard should follow the guidelines described in the Enforcement Response Plan (ERP). When a specific University department is determined to be responsible for a violation, the penalty assessed by a regulatory authority for such violation will be borne by the responsible department. Any costs due to remediation for violations will also be borne by the responsible University department.

Appeals

Appeals for actions under this Standard may be taken to the Clemson University Chief Facilities Officer by any party aggrieved by any personnel, department, board, or contractor of the University. The appeal must be filed within 15 days of the grievous action, by filing a complaint with the Clemson University Chief Facilities Officer specifying the grounds of the appeal.

Within 45 days of the date of appeal, the Chief Facilities Officer shall meet for the hearing of the appeal. Clemson University holds the right to reverse or affirm, wholly or in part, or may modify the order, requirements, decision, or determination, and to that end shall have all the powers of the officer from whom the appeal is taken and may issue or direct the issuance of a permit.

If Clemson University Facilities delegates authority to implement or enforce any of the University's requirements under the NPDES SMS4 Permit to another entity, then any appeal for the actions of the entity with delegated authority shall be taken in accordance with the ordinances of that entity.

Expiration

This Standard will remain in effect indefinitely. This Standard will be reviewed and revised to remain up to date with current permits and related documents.

