

Who should attend??



This class is designed for personnel responsible for ensuring the proper functioning of **permanent** stormwater structures, features, and Best Management Practices (BMPs) as they relate to City requirements and the Municipal Separate Storm Sewer System (MS4) permit. Specific focus is given to the inspection and maintenance of *permanent* BMPs.

**Why you should attend.....**

The City's MS4 permit requires all owners of stormwater BMPs developed after June of 2008 to ensure proper operation and maintenance of their stormwater BMPs. BMP owners are required to maintain, inspect, and submit reports annually to the City each year. Opportunity exists for property maintenance, facility maintenance, and for landscaping companies to perform stormwater BMP maintenance, inspections and submit annual inspection report to the City for the landowner.

This class will cover all the different types of Stormwater BMPs utilized within the City. Explain how they are meant to function and the associated maintenance requirement for each type of BMP utilized in the City. This class will also explain all of the inspection and submittal requirements of the O&M program.

All attendees who attend will have their company name added to the City's approved vendor list to be supplied to the owners of new developments upon request.

**Program for Ensuring Operations and Maintenance of Private and Public Stormwater Best Management Practices**

The City of Colorado Springs (City) was issued a Municipal Separate Storm Sewer System (MS4) Permit from the Colorado Department of Public Health and Environment (CDPHE), with the latest permit being issued in 2011. A requirement of the Permit is for the City to ensure that operations and maintenance (O&M) is occurring on private and public stormwater Best Management Practices, a.k.a. BMPs (e.g., ponds, porous landscape detention, etc.).



Since 2002, the City has required BMPs for new construction or redevelopment in order to treat stormwater runoff from the site and required maintenance of the BMPs. In 2008, a requirement for inspections was added to ensure the BMPs are working properly and being properly maintained. The new program and code require that annual inspections by the BMP owners occur on BMPs constructed after June 1, 2008. Program information can be found in chapter 6 of the City's Drainage Criteria Manual, Volume 2.



**Why is this needed?**

The new requirement for ensuring O&M is necessary due to 50% of BMPs failing within 5 years of construction due to lack of maintenance. We anticipate that there will be a positive impact on local stream water quality with the implementation of this program.



**Requirements for Ensuring Operations and Maintenance of Best Management Practices:**

This program requires that BMP owners or responsible parties (e.g., HOAs, property maintenance companies, etc.) inspect their facilities and annually report on activities to City Engineering. Maintenance of the BMPs continues to be the private BMP owners' responsibility. In addition, maintenance agreements and plans identifying required maintenance, maintenance frequency, and estimated costs are required prior to construction occurring at the site.



This program also requires a PE certification on construction of permanent stormwater BMPs. Over the last several years, a PE certification has been required for construction of *public* drainage facilities. Colorado State law regulates the practice of engineering and states that observation of construction to evaluate compliance with plans and specifications is considered the practice of engineering and must be performed by a licensed professional engineer or supervised by a licensed professional engineer. The PE certification

requirement will ensure that private BMPs are constructed properly and are functioning as designed.



**City Engineering Responsibilities:**

City Engineering will provide oversight and monitoring of the program and perform compliance inspections at a minimum of once every 3 to 5 years. The program is currently an addendum to the City's Drainage Criteria Manual, Volume 2.

City Engineering will provide education, training, and assistance to BMP owners or responsible parties to give these individuals the knowledge and tools needed to comply with the requirements. In addition, the City will provide inspection forms and templates for maintenance plans/agreements.

**City Code requires that BMPs constructed after June 1, 2008 meet the requirements of this program. The City is required to ensure that O&M has occurred on these BMPs. The City will not be required to ensure that O&M has occurred on BMPs installed prior to June 1, 2008. Maintenance is still required per City Code.**

## Operations and Maintenance of Stormwater Best Management Practices

When: October 29, 2014 Wednesday  
(1:00-3:30 pm) 12:30 pm check-in

Where: **CAB (City Administration Building)**  
**30 S. Nevada Ave., Suite 102**  
**Colorado Springs, CO**

**Costs: None!!**

**Class size is limited to 25 so register soon!!**  
**(We will use a wait list if necessary)**

**Parking is available on the SW corner for a fee. Free street parking is available a few blocks away.**

**Parking will NOT be validated.**

Name(s):		
Company:		
Email contact:		
Address:		
City:	State:	Zip:
Phone:		
Fax:		



Grading, erosion & stormwater quality control plan review	(719) 385-5979
Hillside grading, erosion and stormwater quality control plan review	(719) 385-5905
Stormwater Engineering	(719) 385-5980
or visit our website at: <a href="http://www.springsgov.com/stormwater">www.springsgov.com/stormwater</a>	
For specific information on this O&M program, please call Joel Mackey (385-5097)	



### PLEASE READ!!!

We anticipate this class filling up quickly. Please fax in your registration **(719-385-5388)** and provide a fax number or email address to verify your seat for this class.

### PLEASE READ!!!

City of Colorado Springs  
City Engineering  
P.O. Box 1575 – MC 401  
Colorado Springs, CO 80901-1575

# Operations and Maintenance of Stormwater Best Management Practices

## Training Class!!

**Wednesday**  
**October 29, 2014**  
**1:00 p.m. to 3:30 p.m.**

