



DOWNTOWN RIVER GREENWAY, SIOUX FALLS, SOUTH DAKOTA

# Stormwater Newsletter 2017



April 17, 2017

IN THIS ISSUE

## What's new for 2017?

The City of Sioux Falls Stormwater Program was audited by the Environmental Protection Agency (EPA) and the South Dakota Department of Environment and Natural Resources (SDDENR) on July 12-14, 2016. It gave the City a chance to review the stormwater program and see what its strengths are and where improvements can be made. The City will be working on updating the Environmental and Stormwater Program in 2017.

### Construction Site Program

The Construction Site Program was created to provide standard procedures for site planning, structural and nonstructural BMPs, site inspections, and training and education for construction site operators.

Having a standardized system streamlines the effectiveness of the program and helps the City reach their goal of reducing the amount of pollutants from construction sites that may enter the storm sewer, rivers and drainageways of Sioux Falls. The Construction Site Program was a large part of the EPA's focus. In the next section we will update you on what changes will be implemented in the Program.

### Stormwater Website

The City of Sioux Falls website has a lot to offer. Check out some of the links on page four to find resources regarding construction sites, general stormwater permit information and engineering design standards.



### Stormwater Program Updates

Regional BMP planning and stormwater program information regarding water quality.

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### New BMP Ordinance

How private BMPs will be managed and maintained throughout the City in the future.

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# July 2016 Stormwater Audit

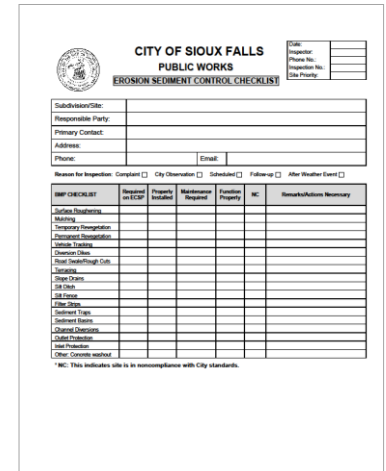
## Construction Site Program

The City's Construction Site Program was a big part of the EPA's focus for the audit that took place in July of 2016. The Construction Site Program has a large effect on stormwater and it's important to make sure we are doing everything necessary to keep the water clean and stay in compliance with the stormwater permit. The following is a list of EPA recommendations the City's Environmental Team will be implementing in 2017.

The City's erosion and sediment control inspectors will conduct construction site inspections using both sides of the Erosion and Sediment Control Inspection Form (see example of the two-sided form on pages 5 & 6). The frequency of inspections depend on the sites priority. A High priority site is inspected bi-weekly; a medium priority site is inspected monthly; and a low priority site is inspected once during the life of the project. The routine site inspection involves a review of the BMPs required per the site plan. Some of the most common BMPs found on a construction site are: vehicle tracking controls, concrete washout areas, inlet protection, silt fence, and permanent stabilization/revegetation. Depending on the size and scope of the project, more or less BMPs could be required.

BMPs are inspected based on proper installation, proper functionality, and to determine if maintenance is required. If a BMP requires maintenance, does not function properly, or is not installed properly, then the BMP, and therefore the project site, is in noncompliance with City standards and the contractor has seven days to bring the site back into compliance. A picture of the BMP will be placed in the inspection report. After seven days, if the site remains in noncompliance, a Notice of Violation will be issued along with a \$100 citation. If the BMP is left in a noncompliant state, the citation amount will escalate until the site is once again in compliance.

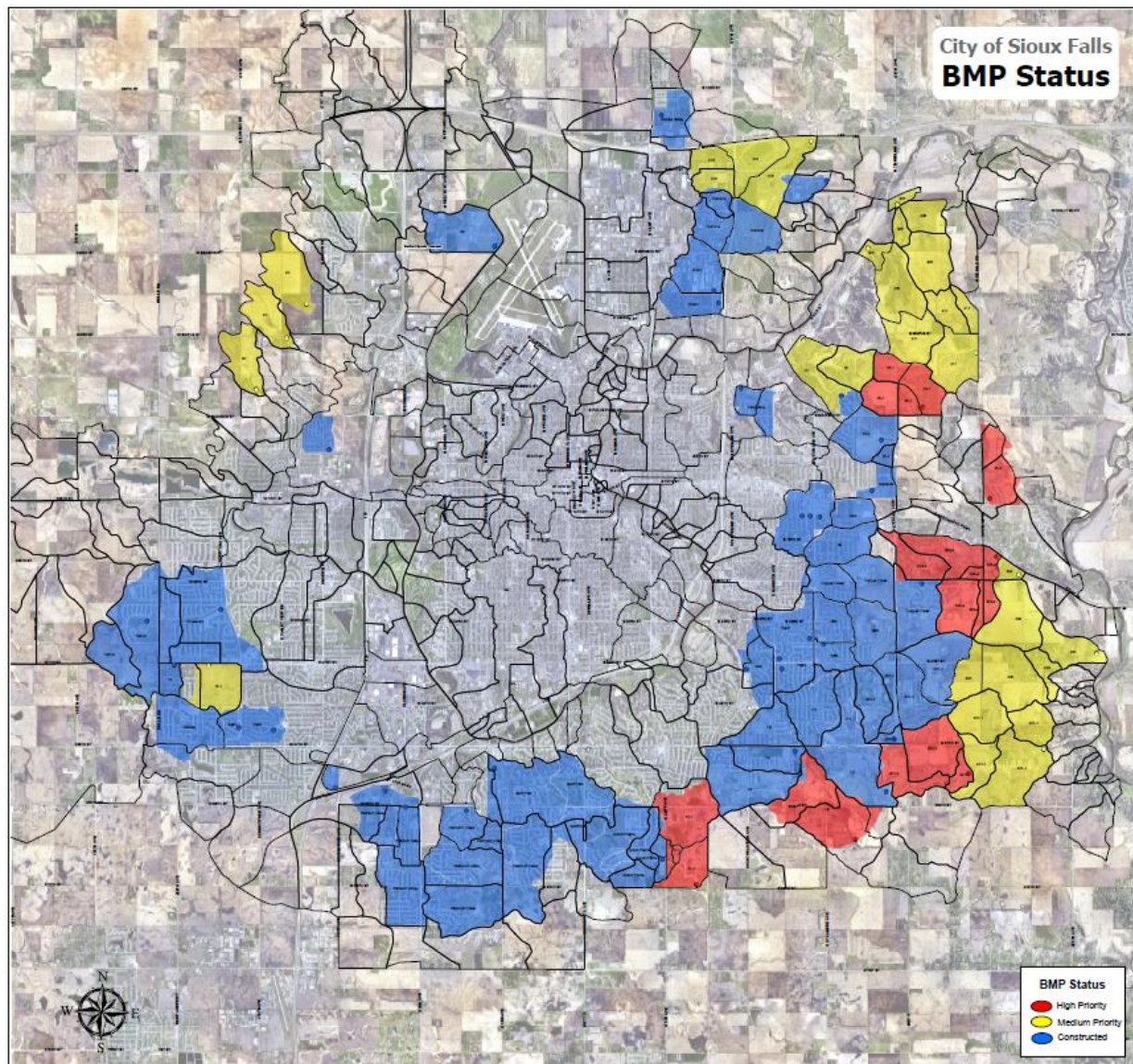
Along with a review of the BMPs, the project documentation will also be reviewed. The inspector will ensure that the Contractor has complied with reporting requirements, that good housekeeping is taking place, and a Contact Information Display is visibly posted on the construction site. The contractor's erosion and sediment control inspections log will be reviewed to ensure they are being completed weekly and during storm events as required by Sioux Falls Engineering Design Standards Section 12.9.




## Stormwater Program Updates

Improving water quality through Regional BMP planning and construction will continue in 2017. Construction of Regional BMP 25-3 is planned for 2017 and will provide stormwater treatment and detention for the watershed near Six Mile Road & 10th Street. Construction of Regional BMP 303-4 is planned for 2017 and will provide stormwater treatment and retention for the watershed near Six Mile Road & 26th Street.

In Southwest Sioux Falls, the City is looking to update the Stormwater BMP Master Plan by studying the feasibility of identifying additional Regional BMPs. In advance of development, additional Regional BMPs are in various stages of planning throughout Sioux Falls. BMP retrofits of existing stormwater detention facilities will provide additional opportunities to improve stormwater treatment and water quality treatment in existing areas.



## New Private BMP Ordinance



The City of Sioux Falls recently enacted an ordinance to formally adopt requirements for the operation and maintenance of privately owned BMPs. Common BMP maintenance requirements include debris removal, vegetation removal, sediment removal, erosion repair, replacing filter media, and pest control. The BMP ordinance allows City staff right of entry for inspection as some private BMPs are not located in publicly accessible locations. The BMP ordinance will also require notification to the City of illicit discharges to the storm water system and any major alterations to the BMP.

Property owners will be provided notice prior to inspections and are encouraged to be present to be educated on the BMP operation and maintenance requirements. Private BMPs not in compliance with the ordinance will be provided an initial written statement identifying the violation and be provided a reasonable time, not to exceed 90 days for the correction to be made. Notice of Violation and enforcement will commence if corrections are not completed.

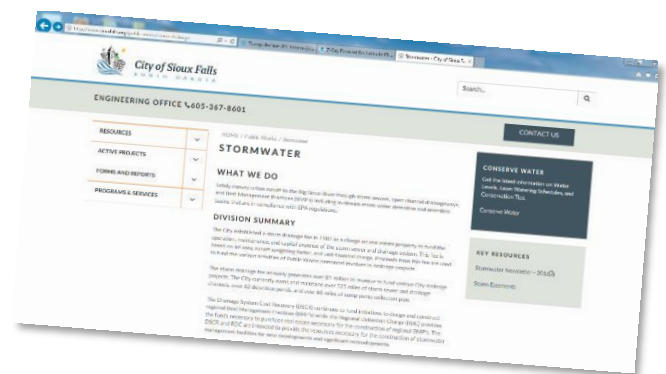
## Sioux Falls Stormwater web page and online resources

The City's Stormwater web page has a lot to offer. If you're looking for standard erosion control plates, proper BMP installation, or general stormwater information, it can be found here. Below are some of the resources that can be found on the website:

- Chapter 11 – Engineering Design Standards and Appendix
- Chapter 12 – Erosion and Sediment Control
  - Standard Plates for ESC
- Development Construction Documents
  - Stormwater ESC Inspection Report template
  - Excavation and Grading Permit template

Link to the City's Stormwater Page:

<http://www.siouxfalls.org/public-works/storm-drainage>





# CITY OF SIOUX FALLS

## PUBLIC WORKS

Date:	
Inspector:	
Phone No.:	
Inspection No.:	
Site Priority:	

### EROSION SEDIMENT CONTROL CHECKLIST

Subdivision/Site:			
Responsible Party:			
Primary Contact:			
Address:			
Phone:		Email:	

**Reason for Inspection:** Complaint  City Observation  Scheduled  Follow-up  After Weather Event

BMP CHECKLIST	Required on ECSP	Properly Installed	Maintenance Required	Function Properly	NC	Remarks/Actions Necessary
Surface Roughening						
Mulching						
Temporary Revegetation						
Permanent Revegetation						
Vehicle Tracking						
Diversion Dikes						
Road Swale/Rough Cuts						
Terracing						
Slope Drains						
Silt Ditch						
Silt Fence						
Filter Strips						
Sediment Traps						
Sediment Basins						
Channel Diversions						
Outlet Protection						
Inlet Protection						
Other: Concrete washout						

\* **NC:** This indicates site is in noncompliance with City standards.

<b>Erosion Control Checklist</b>	<b>Part II (Comprehensive)**</b>		
<b>Subdivision/Site:</b>		<b>Permit Number:</b>	

**\*\*Only fill out the Part II Comprehensive section if the site will be forwarded on for enforcement. Part II should be completed on site with the responsible party and the ESC Inspector listed above.**

<b>Responsible Party Representative:</b>	
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Overall Site Inspection Procedures	Yes	No	N/A	Remarks/Actions
Has contractor complied with reporting requirements?				
Is there any evidence of sediment leaving the construction site? If so, note areas.				
Have any adverse impacts such as flooding, structural damage, erosion, spillage, or accumulation of sediment, debris or litter occurred on adjacent property, wetlands, or surface waters?				
Is site in compliance with the erosion control sequence plan?				
Are adequate nonstructural BMPs addressed in ECSP (good housekeeping, spill prevention, and response)?				
Is there any evidence of discharges or spills of fuels or lubricants? Are good housekeeping practices followed?				
Is there a <i>Contact Information Display</i> visibly posted?				

Inspections and Training	Yes	No	N/A	Remarks/Actions
Have inspections been carried out and documented after storms and on a weekly basis as required by the Sioux Falls Engineering and Design Standards Section 12.9?				
Have site personnel been trained in storm water pollution prevention?				
Is there any evidence of storm water pollution prevention awareness through signs or other means?				

<b>Additional Comments/Action Items:</b>				
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