

**District of Columbia Bay TMDL WIP Reporting Responsibilities ending 2013 period**

Item	Due Date	Progress
Blue Plains reporting (see end) Reports to EPA directly, not to DDOE	December 2013 (see end of report for Blue Plains reporting)	
<b>Stormwater Activities</b>		
Conduct 2 pollution prevention workshops for District municipal employees		DDOE held auto workshops on: March 1, 2012 September 6, 2012 April 23, 2013 DGS, DPW, DOES employees were invited. So far, DDOE has held 4 workshops since September 2011.
<u>Implement</u> a Stormwater Fee Discount program		<p><b>FY13 WIP Update on RiverSmart Rewards</b></p> <p>DDOE published as final the Stormwater Fee Discount Program rule in the <i>D.C. Register</i> on July 19, 2013. This followed two public review and comment periods and a 45-day review period by the Council of the District of Columbia. DDOE began implementing the Stormwater Fee Discount Program, also known as RiverSmart Rewards, immediately following promulgation of the rule.</p> <p>In this early phase of implementation, DDOE has focused on information dissemination and database development. DDOE developed <a href="http://ddoe.dc.gov/riversmartrewards">ddoe.dc.gov/riversmartrewards</a>, and several additional web pages that explain the program, application process, retroactive discounts, and how discounts are calculated. In addition, the website has a downloadable calculator that helps customers estimate exactly how much discount they should get based on the retention on their property. DDOE also developed a “Discounts through Stormwater Management” guidebook, which is a PDF posted to the website that explains the program rules and eligibility requirements in one central location. This guidebook is also available in print upon request. Both the website and guidebook explain the collaboration between DDOE and DC Water in the property’s amount of impervious area using the Equivalent Residential Unit (ERU). One ERU is equal to 1,000 square feet of impervious surface. The FY13 Clean Rivers IAC charge was \$9.57. In FY14, DC Water increased the Clean Rivers IAC rate to \$11.85. The DDOE Stormwater Fee remained the same in both FY13 and FY14, at a rate of \$2.67 per ERU. Through RiverSmart Rewards, DC Water customers can apply for a discount on both fees. DDOE handles the application acceptance and review process, and DC joint administration of both RiverSmart Rewards and the Clean Rivers Impervious Area Charge (IAC) Incentive Program. The DC Water Incentive Program provides a discount of up to 4% on the Clean Rivers IAC. Like the DDOE Stormwater Fee, the Clean Rivers IAC is charged based on a Water applies the discounts to customer bills.</p>
	28 signs installed in NoMa	Strengthen pet waste program by installing 100 metal (‘pick up’) signs at parks and schools, and deliver 3,000 educational brochures to renters, homeowners, and school, community & outreach events

<b>Watershed Division</b>		
Annual load reductions from the Plan Review Database		Was completed in November 2013.
Trees planted		9,544 trees or 95.4 acres
permeable pavement, impervious surface removal, cisterns, and bioretention		Total treatment area per sq. ft. 47,317
Stream Restoration	ongoing	0 linear feet (projects were delayed but should be constructed before March 2014)
Regenerative SW Conveyances		0 RSCs (projects were delayed but should be constructed before January 2014)
Daylight Broad Branch	2014	Project was delayed but should be constructed before March 2014
Springhouse Wetland Restoration	2014	On time but waiting on Environmental Assessment from USDA. To be constructed FY 2014.
Create citywide online stormwater tracking tool	completed	Project underway. To be completed in FY 2014.
RiverSmart Homes, Communities – Raingardens, Rain barrels, Shade trees	2013	Audits: 815 Rain Barrels: 770 Shade Trees: 1,000 Rain Gardens: 134 BayScaping: 147 Pervious Pavers: 32 Conducted 1,010 installations audits
RiverSmart Schools	2013	Four schools completed treating 30,650 square feet of area (see notes below)
RiverSmart Washington demo project:	2013	retrofit 22 acres with LID [to Max extent practical]
Green Roofs		36,256 for the rebate program and 46,391 square feet of green roof for sites not part of the rebate program. Total square feet of green roof this year: 82,647.
DDOT Impervious Surface retrofits		Between the DDOT IPMA and UFA -247,210 sf of impervious surface was retrofitted  DC Water also completed several projects in 2013 – 10,869 sf retrofitted  Total for 2012 & 2013 – 258,070 SF retrofitted
<b>Water Quality</b>		
Inspect all Municipal Separate Storm Sewer System (MS4) outfalls once every five years	ongoing	Between October 1, 2012 and November 1, 2013 the WQD has inspected 183 outfalls and is on target to reach the goal of inspecting all MS4 outfalls once every five years.
Perform follow-up inspections within the MS4 at all facility types for compliance with good	ongoing	Between October 1, 2012 and November 1, 2013 the WQD has performed 26 follow up inspections for good housekeeping compliance requests.

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housekeeping measures as outlined as areas for improvement in the facility's inspection report		
Inspect all known automotive repair shops, dry cleaners, car washes, maintenance facilities, and local and federal facilities which generate large quantities of hazardous waste within the MS4 once every two years	Every two years	Between October 1, 2012 and November 1, 2013 the WQD has inspected 137 such facilities and is on target to inspect all listed facilities once every two years.
Distribute educational pollution prevention posters/flyers to automotive facilities and maintenance yards within the MS4 during inspections; and hold educational workshops	ongoing	
Respond and investigate all illicit discharge complaints and referrals within five days, and ensure compliance with all Water Pollution Control Act regulations	ongoing	
Trash TMDL and Trash Removal	ongoing	<p>Removed 10,000 lbs of trash &amp; debris* from District waterways by 2013. From Jan 1<sup>st</sup>, 2012 through November 15<sup>th</sup>, 2013, the District removed over 16,000 lbs of trash and debris from its waterways. This surpasses the District's two-year milestone of removing 10,000 pounds. The District accomplished this using a variety of proprietary and custom designed trash traps. During this time period the District installed two new trash capture devices, bringing the total number of devices currently installed up to six. The District expects to complete installation of an additional device in Spring 2014. All of these projects were made possible by revenue collected through the District's five cent fee of grocery bags.</p> <p>The numbers reported above don't take into account all of the other non-structural controls the District has implemented to battle the problem of trash in local waterways. DC Water has operated a fleet of skimmer boats for a number of years that remove trash from the lower Anacostia River on a weekly basis. The District Department of the Environment has worked with the District Department of Public Works to implement an enhanced street sweeping program. Thanks to this project the Department of Public Works was able to increase the efficiency of its operations</p>

		allowing it to concentrate an extra day a month on sweeping “environmental hotspots” for trash. These hotspots are blocks identified by DDOE as having above average amounts of trash. Lastly, this year the District awarded a grant to the Alice Ferguson Foundation to conduct an education and outreach campaign focused on curbing littering across the District’s portion of the Anacostia River watershed.
Storm drain marker installation	ongoing	marked 1,000 storm drains
Pervious pavers (1,044 sf retrofit removed)	Retrofit Completed Anacostia Wshed	SW treatment=417 cubic feet  Completed
Bioretention facility (1,453 impervious area removed)	Retrofit Completed Anacostia Wshed	SW treatment=2,589 cubic feet  Completed
Green roof 6,567 sf retrofit	Retrofit completed Anacostia Wshed	Impervious area removed=6,567 sf Completed
Green Roof retrofit 42,390 sf	Potomac wshed	Impervious area removed=42,390 sf Completed
Pervious Pavers retrofitted 8,363 sf	Potomac wshed	SW treated=3,345 cubic feet completed

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<b>DDOE School Projects</b>						
	<b>Impervious Pavement Removed (sq. ft.)</b>	<b>Replaced With</b>	<b>No. Tree Boxes Built</b>	<b>Tree Boxes Expanded</b>	<b>CSO</b>	<b>MS4</b>
Friendship PC School	169	tree boxes	22	3	169	
K Street NW	4509	tree boxes	13	23	4509	
S Street NW	6176.048	tree boxes and continuous strip	5	75	6176.048	
Mississippi Ave SE	1064	tree boxes	12	7	1064	
Nationals Stadium	7863.12	permeable pavers	35	0	3995.08	3868.04
Bloomingdale	7854.691	tree boxes	89	51	7854.691	
14th Street	1676.47	tree boxes	5	41	1676.47	
Shaw S Street	9108.1261	tree boxes	18	120	9108.1261	
Shaw R Street	5630.165	tree boxes	16	118	5630.165	
101 Q Street	1750	green space	3	1	1750	
Kims Garden	370	permeable pavers	0	0	370	
First Street	680	permeable pavers	0	0	680	
R Street NW 1400-1500 Blocks	1805	topsoil/ mulch	3	40	1805	0
14th Street NW 3500-3900 Blocks	302	topsoil/ mulch	1	7	302	0
	<b>48,958 sq ft</b>		<b>222 boxes</b>	<b>486 boxes</b>	<b>45,090</b>	<b>3,868</b>

Notes:

### **RiverSmart Schools**

Background info: Implemented four (4) outdoor LID habitat learning gardens at four (4) schools. Provide guidance to teachers on how to incorporate the learning gardens at schools into their curriculum.

- Nine (9) RiverSmart Schools applications were received and five (5) schools were selected for the program. Thirty-two (32) teachers are in training through DDOE staff on stormwater retrofit projects.
- SEED School in Ward 7, MS4, completed in 04/15/13
  - 940 sf bioretention that would capture 11,300 sf of drainage
- Phelps HS in Ward 5, MS4, completed in 12/15/2012
  - 1,066 sf bioretention (removal of parking lot asphalt) that would capture 18,300 sf of drainage
- Dupont Park Adventist School, Ward 7, MS4, installed 05/24/13
  - Approx. 500 sf pollinator garden
- Kelly Miller Middle, Ward 7, MS4, installed 8/25/2012
  - Approx. 550 sf of reforestation of fruit trees and raised bed gardening

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<b>Point Source Pollution Reduction Actions by 2013 – Blue Plains</b>				
The District of Columbia is implementing the new Blue Plains NPDES permit to install Enhanced Nutrient Removal ( <b>ENR</b> ) at Blue Plains				
6/1/09	Award contract for design		DC Water	Completed
12/31/ 11	Award contract for construction		DC Water	Completed
7/1/14	Place ENR into operation		DC Water	Completed
1/1/ 15	Begin compliance with total nitrogen effluent limit		DC Water	
Blue Plains reports the following nutrient reductions (aside from ongoing reductions via the BNE (biological nitrogen effluent) processes for CSOs)				
Before any CSO control	Total nitrogen before any CSO control	123,329 pounds N per average year of rain	DC Water	Background information
May 2009	After completion of nine minimum control projects	70,298 pounds N per average year of rain	DC Water	Completed
12/31/ 2018	After completion of first phase of Anacostia CSO Program	40,000 pounds N per average year of rain	DC Water	
12/31/ 2025	After Completion of LTCP (long term control plan)	5,300 pounds N per average year of rain	DC Water	