



## Municipal Separate Storm Sewer System (MS4) Annual Report

- D. Note specific successful outcome(s) (NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period. N/A
- E. Do you have an advisory committee or other body comprised of the public and other stakeholders that provides regular input on your stormwater program?  Yes  No
- F. How do you facilitate, advertise, and publicize public involvement and participation opportunities? Town of Arlington website
- G. Do you have a webpage dedicated to your stormwater program?  Yes  No  
If so, what is the link/URL: http://townofarlington.org/index.aspx?nid=214
- H. Are you tracking and maintaining records of public education, outreach, involvement and participation activities? Please attach a summary of these activities.  Yes  No

### 5. ILLICIT DISCHARGE DETECTION AND ELIMINATION (SECTION 4.2.3)

- A. Have you completed a map of all outfalls and receiving waters of your storm sewer system? BMP to be implemented by July, 2015.  Yes  No
- B. Have you completed a map of all storm drain pipes of storm sewer system?  Yes  No
- C. How many outfalls have you identified in your system? N/A
- D. Have any of these outfalls been screened for dry weather discharges?  Yes  No N/A
- F. What is your frequency for screening outfalls for illicit discharges? N/A
- G. Do you have an ordinance that effectively prohibits illicit discharges? BMP to be implemented by July, 2015.  Yes  No
- H. During this reporting period, how many illicit discharges/illegal connections have you discovered (or been reported to you)? N/A
- I. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? N/A

### 6. CONSTRUCTION SITE STORMWATER RUNOFF (SECTION 4.2.4)

- A. Do you have an ordinance or adopted policies stipulating: N/A - BMP to be implemented by July, 2015.
- Erosion and sediment control requirements?  Yes  No
- Other construction waste control requirements?  Yes  No
- Requirement to submit construction plans for review?  Yes  No
- MS4 enforcement authority?  Yes  No
- B. How many active construction sites disturbing at least one acre were there in your jurisdiction this reporting period? 87, according to TDEC website 9-19-2014
- C. How many of these active sites did you inspect this reporting period? BMP to be implemented by July, 2015.
- D. On average, how many times each, or with what frequency, were these sites inspected (e.g., weekly, monthly, etc.)? \_\_\_\_\_
- E. Do you prioritize certain construction sites for more frequent inspections?  Yes  No  
If Yes, based on what criteria? \_\_\_\_\_

### 7. PERMANENT STORMWATER CONTROLS (SECTION 4.2.5)

- A. Do you have an ordinance or other mechanism to require: BMP to be implemented by January, 2018.

## Municipal Separate Storm Sewer System (MS4) Annual Report

- Site plan reviews of all new and re-development projects?  Yes  No
- Maintenance of stormwater management controls?  Yes  No
- Retrofitting of existing BMPs with green infrastructure BMPs?  Yes  No
- B. What is the threshold for new/redevelopment stormwater plan review? (e.g., all projects, projects disturbing greater than one acre, etc.) new construction or greater than 1 acre
- C. Have you implemented and enforced performance standards for permanent stormwater controls?  Yes  No
- D. Do these performance standards go beyond the requirements found in Section 4.2.5.2 and require that pre-development hydrology be met for: BMP to be implemented N/A
- Flow volumes  Yes  No
- Peak discharge rates  Yes  No
- Discharge frequency  Yes  No
- Flow duration  Yes  No
- E. Please provide the URL/reference where all permanent stormwater management standards can be found.  
N/A
- F. How many development and redevelopment project plans were reviewed for this reporting period? 5
- G. How many development and redevelopment project plans were approved? 5
- H. How many permanent stormwater management practices/facilities were inspected? N/A
- I. How many were found to have inadequate maintenance? N/A
- J. Of those, how many were notified and remedied within 30 days? (If window is different than 30 days, please specify) N/A
- K. How many enforcement actions were taken that address inadequate maintenance? N/A
- L. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance?  Yes  No
- M. Do all municipal departments and/or staff (as relevant) have access to this tracking system?  Yes  No
- N. Has the MS4 developed a program to allow for incentive standards for redeveloped sites?  Yes  No
- O. How many maintenance agreements has the MS4 approved during the reporting period? N/A
- 8. CODES AND ORDINANCES REVIEW AND UPDATE (SECTION 4.2.5.3)**
- A. Is a completed copy of the EPA Water Quality Scorecard submitted with this report?  Yes  No
- B. Include status of implementation of code, ordinance and/or policy revisions associated with permanent stormwater management. ordinances are currently under review, per the General Permit
- 9. STORMWATER MANAGEMENT FOR MUNICIPAL OPERATIONS (SECTION 4.2.6)**
- A. Have stormwater pollution prevention plans (or an equivalent plan) been developed for: BMP to be implemented by January, 2019.
- All parks, ball fields and other recreational facilities  Yes  No
- All municipal turf grass/landscape management activities  Yes  No

## Municipal Separate Storm Sewer System (MS4) Annual Report

- All municipal vehicle fueling, operation and maintenance activities  Yes  No
- All municipal maintenance yards  Yes  No
- All municipal waste handling and disposal areas  Yes  No
- B. Are stormwater inspections conducted at these facilities?  Yes  No
1. If Yes, at what frequency are inspections conducted? \_\_\_\_\_
- C. Have standard operating procedures or BMPs been developed for all MS4 field activities? (e.g., road repairs, catch basin cleaning, landscape management, etc.)  Yes  No
- D. Do you have a prioritization system for storm sewer system and permanent BMP inspections?  Yes  No
- E. On average, how frequently are catch basins and other inline treatment systems inspected? N/A
- F. On average, how frequently are catch basins and other inline treatment systems cleaned out/maintained? N/A
- G. Do municipal employees in all relevant positions and departments receive comprehensive training on stormwater management?  Yes  No
- BMP to be implemented beginning January, 2015.*
- H. If yes, do you also provide regular updates and refreshers?  Yes  No
- If so, how frequently and/or under what circumstances? N/A

### 10. STORMWATER MANAGEMENT PROGRAM UPDATE (SECTION 4.4)

- A. Describe any changes to the MS4 program during the reporting period including but not limited to:
- Changes adding (but not subtracting or replacing) components, controls or other requirements (Section 4.4.2.a). Arlington is progressing as required to implement the BMP's of the General Permit on-time.
- Changes to replace an ineffective or unfeasible BMP (Section 4.4.2.b). None
- Information (e.g. additional acreage, outfalls, BMPs) on program area expansion based on annexation or newly urbanized areas. None
- Changes to the program as required by the division (Section 4.4.3). None

### 11. EVALUATING/MEASURING PROGRESS

- A. What indicators do you use to evaluate the overall effectiveness of your Stormwater Management Program, how long have you been tracking them, and at what frequency? Note that these are not measurable goals for individual BMPs or tasks, but large-scale or long-term metrics for the overall program, such as in-stream macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc.

Indicator	Began Tracking (year)	Frequency	Number of Locations
<i>Example: E. coli</i>	<i>2003</i>	<i>Weekly April-September</i>	<i>20</i>
<u>N/A</u>			

- B. Provide a summary of data (e.g., water quality information, performance data, modeling) collected in order to evaluate the performance of permanent stormwater controls installed throughout the system. This evaluation may include a comparison of current and past permanent stormwater control practices. N/A

## Municipal Separate Storm Sewer System (MS4) Annual Report

### 12. ENFORCEMENT (SECTION 4.5)

- A. Identify which of the following types of enforcement actions you used during the reporting period, indicate the number of actions, the minimum measure (e.g., construction, illicit discharge, permanent stormwater control) or note those for which you do not have authority: **Enforcement Response Plan to be implemented July, 2015.**

Action	Construction	Permanent Stormwater Controls	Illicit Discharge	Authority?	
Notice of violation	# _____	# _____	# _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative fines	# _____	# _____	# _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Stop Work Orders	# _____	# _____	# _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Civil penalties	# _____	# _____	# _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Criminal actions	# _____	# _____	# _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative orders	# _____	# _____	# _____	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Other _____	# _____	# _____	# _____		

- B. Do you use an electronic tool (e.g., GIS, data base, spreadsheet) to track the locations, inspection results, and enforcement actions in your jurisdiction?  Yes  No

- C. What are the 3 most common types of violations documented during this reporting period? N/A

### 13. PROGRAM RESOURCES (OPTIONAL)

- A. What was your annual expenditure to implement the requirements of your MS4 NPDES permit and SWMP this past reporting period? \$4,160 (including \$3,460 TDEC fees)
- B. What is next year's budget for implementing the requirements of your MS4 NPDES permit and SWMP? \$10,000 (FY2014/15)
- C. Do you have an independent financing mechanism for your stormwater program?  Yes  No
- D. If so, what is it/are they (e.g., stormwater fees), and what is the annual revenue derived from this mechanism?  
 Source: N/A Amount \$ \_\_\_\_\_  
 Source: \_\_\_\_\_ Amount \$ \_\_\_\_\_
- E. How many full time employees does your municipality devote to the stormwater program (specifically for implementing the stormwater program vs. municipal employees with other primary responsibilities that dovetail with stormwater issues)? 0 (staff has other responsibilities)
- F. Do you share program implementation responsibilities with any other entities?  Yes  No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
N/A		

N/A

- G. Please attach a copy of your Organizational Chart

## Municipal Separate Storm Sewer System (MS4) Annual Report

### 14. CERTIFICATION

This report must be signed by a ranking elected official or by a duly authorized representative of that person. See signatory requirements in sub-part 6.7.2 of the permit.

*"I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury."*

Mike Wissman, Mayor

Printed Name and Title



Signature

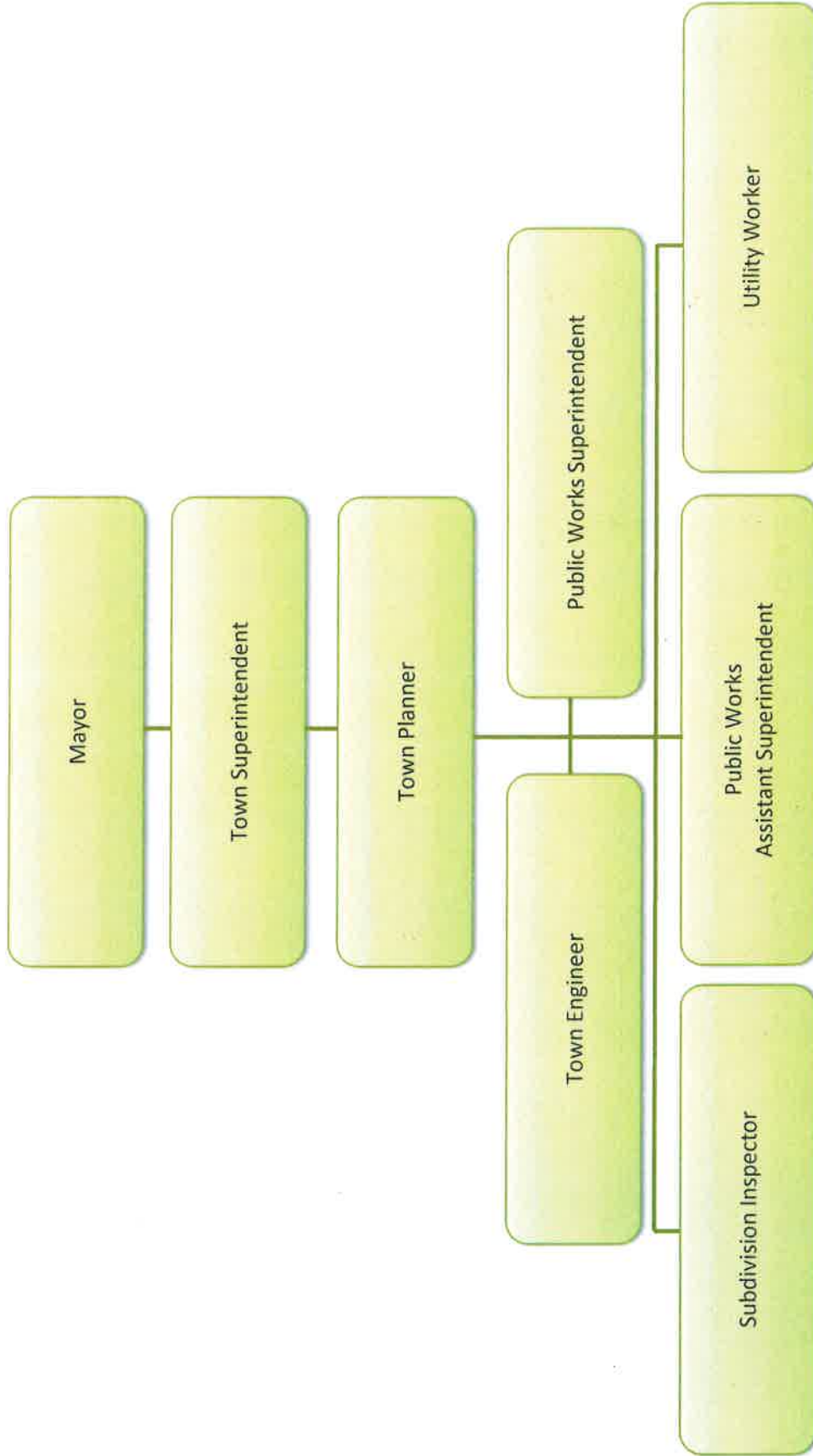
9-22-14

Date

Annual reports must be submitted in accordance with the requirements of Section 5.4. (Reporting) of the permit. Annual reports must be submitted to the appropriate Environmental Field Office (EFO) by September 30 of each calendar year, as shown in the table below:

EFO	Street Address	City	Zip Code	Telephone
Chattanooga	540 McCallie Avenue STE 550	Chattanooga	37402	(423) 634-5745
Columbia	1421 Hampshire Pike	Columbia	38401	(931) 380-3371
Cookeville	1221 South Willow Ave.	Cookeville	38506	(931) 432-4015
Jackson	1625 Hollywood Drive	Jackson	38305	(731) 512-1300
Johnson City	2305 Silverdale Road	Johnson City	37601	(423) 854-5400
Knoxville	3711 Middlebrook Pike	Knoxville	37921	(865) 594-6035
Memphis	8383 Wolf Lake Drive	Bartlett	38133	(901) 371-3000
Nashville	711 R S Gass Boulevard	Nashville	37216	(615) 687-7000

Town of Arlington  
MS4 Stormwater Program  
Organization Chart



## Arlington MS4 Annual Report

### 4. Public Education and Public Participation (Section 4.2.1 and 4.2.2)

#### ***Summary of activities related to public education, outreach, involvement and participation activities:***

##### Website:

The Town of Arlington has created a website dedicated to stormwater and water quality management (you may find it here: <http://townofarlington.org/index.aspx?nid=214>) . The website includes an overview of the MS4 program and best management practices, as well as links to helpful information, brochures, the EPA's websites, tips to reduce stormwater pollution and runoff, and activities (such as a crossword puzzle). Also on the website is contact information so that residents may contact the Town with any questions, complaints or reports. A copy of the website is attached.

##### "What Happens When it Rains?" Resident Brochures:

The Town of Arlington has put together several brochures or pamphlets for targeted audiences. We have been able to work with the Arlington Chamber of Commerce to include a brochure titled "What Happens When it Rains?" in welcome bags that are distributed to new Arlington residents when they move in to their homes. The same brochure is also available at Town Hall and at our Public Works Department.

##### Total distribution to-date:

Welcome Bags: 50

Town Hall: 25

##### "Stormwater and the Construction Industry" Pamphlets:

A pamphlet titled "Stormwater and the Construction Industry" will be distributed to developers and contractors at pre-construction meetings (we have these ready, but have not held any meetings during this period). The pamphlet includes information about BMP's specific to the construction industry. This will be a good way for the Town to include discussion about BMP's during construction.

##### Tennessee Association of Broadcasters Stormwater Announcements:

Arlington has subscribed to the TN Association of Broadcasters public announcements about stormwater for this year.



## How can YOU help protect our local waterways?

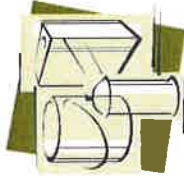


### **Pet Waste**

Pet waste can be a source of bacteria and excess nutrients in our waterways. When walking your pet or letting your pet outside, remember to pick up the waste and dispose of it properly. Flushing pet waste is the best disposal method.

### **Paints, Solvents and Other Household Chemicals**

Don't wash these down the storm drain. Instead, wash them in your sink. You can also dispose of these items by taking them to the Shelby County Household Hazardous Waste location on Haley Road.



### **Car washing and Auto Care**

Prevent detergent, dirt and oils from your vehicle from entering the storm drain by washing your car on the lawn. Just remember to move it back to a hard surface driveway when you are finished.



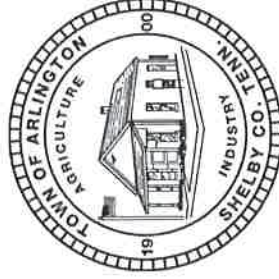
Repair leaks and dispose of used auto fluids and batteries at designated drop-off or recycling locations.

### **Lawn Care**

Excess fertilizers and pesticides applied to lawns and gardens wash off and pollute streams and rivers. In addition, yard clippings and leaves can wash into storm drains, causing the storm drain system to become blocked.

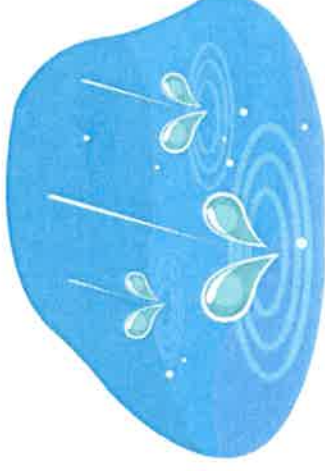


Cover dirt piles or mulch being used in landscape projects so they do not wash away.



For more information, contact the  
Town of Arlington Planning Department at  
901-867-3449

# Understanding What Happens When it Rains



What you need to know about stormwater and how it impacts your neighborhood.

## What is stormwater?

Stormwater is water from precipitation that flows across the ground and pavement due to rain or snowmelt (also known as stormwater runoff). The water may seep into the ground or flow into the Town's stormwater drainage system. This system includes road-side gutters, ditches, streams, ponds and drainage pipes throughout the Town. All runoff goes into our natural rivers, such as the Loosahatchie River and the Wolf River, and on to the Mississippi River.

When it rains, stormwater runoff flows to the rivers and streams, carrying with it water from parking lots and city streets, garbage and debris, sediment, chemicals, vehicle fluids and other pollutants. Stormwater runoff is relatively dirty and will harm fish and other wildlife living in the natural rivers and streams.

Storm drains contain runoff that is not treated by the Town of Arlington prior to entering the rivers and streams. Storm drains may travel anywhere from a few hundred feet up to several miles in underground pipes before being discharged into the waterways.

Storm drains are a completely different system than the sanitary sewers. The sanitary sewer system conveys wastewater from houses, businesses and industries to wastewater treatment plants to be treated before being discharged.



## Why is this important?

Polluted stormwater runoff can have many effects on plants, fish, animals and people.

Sediment can cloud the water and make it difficult or impossible for aquatic plants to grow. Sediment can also destroy aquatic habitats.

Excess nutrients can cause algae blooms. When algae die, they sink to the bottom and decompose in a process that removes oxygen from the water. Fish and other aquatic organisms can't exist in water with low dissolved oxygen levels.

Bacteria pathogens can wash into swimming areas and create health hazards.

Debris – plastic bags, six-pack rings, bottles, cans, cigarette butts, etc. – washed into waterbodies can choke, suffocate or disable aquatic life such as ducks, fish, turtles and birds. Collection of debris can also cause flooding by damming the storm drain system. *Plus, it makes our Town look dirty!*

Household hazardous wastes like insecticides, pesticides, paint, solvents, used motor oil and other vehicle liquids can poison aquatic life. Land animals and people can become sick or die from eating diseased fish and shellfish, or ingesting polluted water.

Polluted stormwater may affect drinking water sources. This, in turn, can affect human health and increase drinking water costs.



# Stormwater and the Construction Industry

## Protect Natural Features



- Minimize clearing.
- Minimize the amount of exposed soil.
- Identify and protect areas where existing vegetation, such as trees, will not be disturbed by construction activity.
- Protect streams, stream buffers, wetlands, or other sensitive areas from any disturbance or construction activity by fencing or otherwise clearly marking these areas.

## Silt Fencing



- Inspect and maintain silt fences after each rainstorm.
- Make sure the bottom of the silt fence is buried in the ground.
- Securely attach the material to the stakes.
- Don't place silt fences in the middle of a waterway or use them as a check dam.
- Make sure stormwater is not flowing around the silt fence.

## Construction Phasing



- Sequence construction activities so that the soil is not exposed for long periods of time.
- Schedule or limit grading to small areas.
- Install key sediment control practices before site grading begins.
- Schedule site stabilization activities, such as landscaping, to be completed immediately after the land has been graded to its final contour.

## Vegetative Buffers



- Protect and install vegetative buffers along waterbodies to slow and filter stormwater runoff.
- Maintain buffers by mowing or replanting periodically to ensure their effectiveness.

## Site Stabilization



- Vegetate, mulch, or otherwise stabilize all exposed areas as soon as land alterations have been completed.

# Maintain your BMPs!

[www.epa.gov/npdes/menuefbmps](http://www.epa.gov/npdes/menuefbmps)

## Construction Entrances



- Remove mud and dirt from the tires of construction vehicles before they enter a paved roadway.
- Properly size entrance BMPs for all anticipated vehicles.
- Make sure that the construction entrance does not become buried in soil.

## Slopes



- Rough grade or terrace slopes.
- Break up long slopes with sediment barriers, or under drain, or divert stormwater away from slopes.

## Dirt Stockpiles



- Cover or seed all dirt stockpiles.

## Storm Drain Inlet Protection



- Use rock or other appropriate material to cover the storm drain inlet to filter out trash and debris.
- Make sure the rock size is appropriate (usually 1 to 2 inches in diameter).
- If you use inlet filters, maintain them regularly.