

Municipal Separate Storm Sewer System (MS4) Annual Report

C. If yes, what are the specific causes, sources and/or pollutants addressed by your public education program?

Sediment from construction activities, Habitat Alterations and Nutrient- Discharges from MS4

D. Note specific successful outcome(s) (NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period.

Gave out 30 water quality brochures to 21 people attending the 2015 rainbarrel workshop which resulted in 25 rainbarrels being sold at \$40 each, raising a total of \$1000 for the Cumberland River Compact.

Gave out 103 water quality brochures, 222 stickers and 200 magnifying glasses during the 2015 Riverfest event.

Partnered with Montgomery County and UT to offer the Level 1 EPSC training class in 2015. A total of 48 people attended and became Level 1 certified.

15 volunteers participated in the 2016 50K Tree Day event resulting in 200 riparian trees being planted in Valley Brook Park.

In 2016 gave a rain barrel presentation to 17 members of the Minglewood Elementary School Garden Club. A finished rain barrel and 3 water quality teaching packets were donated to the school. In addition, 100 water quality brochures, 45 stickers, 20 grocery bags and 20 pencils were provided to the students.

In 2016 provided the Amare Montessori School a water quality teaching packet which included 37 brochures, 1 grocery bag, 45 stickers and 20 pencils.

Gave out 252 water quality brochures, 210 grocery bags, 300 pencils and 288 superhero masks during the 2016 Rivers and Spires Event.

Gave out 56 water quality brochures to 20 people attending the 2016 rainbarrel workshop which resulted in 40 rainbarrels being sold at \$40 each, raising a total of \$1600 for the Cumberland River Compact.

Gave out 85 water quality brochures and 133 pencils to people attending the 2016 Earth Day Festival.

Hosted 2 local teachers for a STEM Externship. Both teachers were provided a water quality teaching packet to take to their schools/classroom.

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? City of Clarksville events calendar, Leaf Chronicle Newspaper, online community event calendars, Facebook page and website (links below).

G. Do you have a webpage dedicated to your stormwater program? Yes No
If so, what is the link/URL: <http://www.cityofclarksville.com/index.aspx?page=774>

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? 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? 1822

D. Have any of these outfalls been screened for dry weather discharges? Yes No

F. What is your frequency for screening outfalls for illicit discharges? Portion screened every year

G. Do you have an ordinance that effectively prohibits illicit discharges? Yes No

H. During this reporting period, how many illicit discharges/illegal connections have you discovered (or been reported to you)? 1

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I. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? 7

6. CONSTRUCTION SITE STORMWATER RUNOFF (SECTION 4.2.4)

A. Do you have an ordinance or adopted policies stipulating:

- | | | |
|--|---|-----------------------------|
| Erosion and sediment control requirements? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Other construction waste control requirements? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Requirement to submit construction plans for review? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| MS4 enforcement authority? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

B. How many active construction sites disturbing at least one acre were there in your jurisdiction this reporting period? 121

C. How many of these active sites did you inspect this reporting period? 121

D. On average, how many times each, or with what frequency, were these sites inspected (e.g., weekly, monthly, etc.)? Weekly

E. Do you prioritize certain construction sites for more frequent inspections? Yes No
If Yes, based on what criteria? age of storm drain system, land use, age of development, complaints, proximity to waters

7. PERMANENT STORMWATER CONTROLS (SECTION 4.2.5)

A. Do you have an ordinance or other mechanism to require:

- | | | |
|---|---|--|
| Site plan reviews of all new and re-development projects? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Maintenance of stormwater management controls? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Retrofitting of existing BMPs with green infrastructure BMPs? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

B. What is the threshold for new/redevelopment stormwater plan review? (e.g., all projects, projects disturbing greater than one acre, etc.) Projects disturbing greater than one acre or 10,000 sqft or more, hot spots

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:

- | | | |
|----------------------|---|--|
| Flow volumes | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Peak discharge rates | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Discharge frequency | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Flow duration | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

E. Please provide the URL/reference where all permanent stormwater management standards can be found.

<http://www.cityofclarksville.com/modules/showdocument.aspx?documentid=6298>

F. How many development and redevelopment project plans were reviewed for this reporting period? 65

G. How many development and redevelopment project plans were approved? 58

H. How many permanent stormwater management practices/facilities were inspected? 20

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- I. How many were found to have inadequate maintenance? 0
- J. Of those, how many were notified and remedied within 30 days? (If window is different than 30 days, please specify) 0
- K. How many enforcement actions were taken that address inadequate maintenance? 0
- 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? 20

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. Stormwater Management Manual has been updated and approved. Ordinance approval is in progress.

9. STORMWATER MANAGEMENT FOR MUNICIPAL OPERATIONS (SECTION 4.2.6)

- A. Have stormwater pollution prevention plans (or an equivalent plan) been developed for:
- | | | |
|---|---|-----------------------------|
| All parks, ball fields and other recreational facilities | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal turf grass/landscape management activities | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal vehicle fueling, operation and maintenance activities | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal maintenance yards | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| All municipal waste handling and disposal areas | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
- B. Are stormwater inspections conducted at these facilities? Yes No
1. If Yes, at what frequency are inspections conducted? quarterly/annually
- 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? As needed
- F. On average, how frequently are catch basins and other inline treatment systems cleaned out/maintained? As needed
- G. Do municipal employees in all relevant positions and departments receive comprehensive training on stormwater management? Yes No
- H. If yes, do you also provide regular updates and refreshers? Yes No
- If so, how frequently and/or under what circumstances? Annually

10. STORMWATER MANAGEMENT PROGRAM UPDATE (SECTION 4.4)

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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). Public Education and Outreach programs have been expanded to include locally offered Level 1 EPSC Certification classes and rain barrel workshops. Public Involvement and Participation Program has been expanded to include riparian tree planting events and an improved more informative website. IDDE Program has been expanded to include an online "Report Stormwater Pollution" method for the public to report suspected illicit discharges.

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>	2003	Weekly April–September	20
Macroinvertebrates	2015	Every 5 years as required	4

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. _____

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:

Action	Construction	Permanent Stormwater Controls	Illicit Discharge	Authority?	
Notice of violation	# <u>2</u>	# <u>0</u>	# <u>1</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative fines	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Stop Work Orders	# <u>1</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Civil penalties	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Criminal actions	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative orders	# <u>0</u>	# <u>0</u>	# <u>0</u>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other <u>N/A</u>	# <u>0</u>	# <u>0</u>	# <u>0</u>		

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- 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? mud/sediment in the street, EPSC measures absent or EPSC measures not maintained.

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? _____
- B. What is next year's budget for implementing the requirements of your MS4 NPDES permit and SWMP? _____
- 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: _____ 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)? 1
- F. Do you share program implementation responsibilities with any other entities? Yes No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
Building and Codes	Illicit Discharge Complaints, Small Lot EPSC Form	SWMM, Ordinance
Gas and Water	Illicit Discharge Complaints	SWMM, Ordinance
Clarksville-Montgomery County Planning Commission	Subdivision Plat Approval	SWMM, Ordinance

G. Please attach a copy of your Organizational Chart

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."

Printed Name and Title

Signature

Date

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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

303(d) listed streams within City of Clarksville MS4

Waterbody ID	Impacted Waterbody	Cause	Pollutant Source
TN05130206002 - 0100	Dunbar Cave Creek	sedimentation/siltation physical substrate habitat alterations physical substrate habitat alterations sedimentation/siltation	Discharges from MS4 area Discharges from MS4 area Site Clearance Site Clearance
TN05130206034 - 1000	Little West Fork	dissolved Oxygen sedimentation/siltation total Phosphorus	Municipal Point Source Discharges NPS Pollution from Military Bases Municipal Point Source Discharges
TN05130206002 - 1000	Red River	other anthropogenic alterations sedimentation/siltation sedimentation/siltation nutrient/Eutrophication biological indicators Escherichia coli	Site Clearance Non-irrigated Crop Production Site Clearance Sanitary Sewer Overflows Sanitary Sewer Overflows
TN05130206002 - 2000	Red River	Nitrate+Nitrite Nitrates	Grazing in Riparian or Shoreline Zones Grazing in Riparian or Shoreline Zones
TN05130206002 - 0700	Seven Springs	sedimentation/siltation Nitrate+Nitrite Escherichia coli	Discharges from MS4 area Discharges from MS4 area Discharges from MS4 area
TN05130206002 - 0100	Spring Creek	sedimentation/siltation total Phosphorus Nitrate+Nitrite Nitrate+Nitrite sedimentation/siltation Total Phosphorus	Discharges from MS4 area Discharges from MS4 area Non-irrigated Crop Production Discharges from MS4 area Non-irrigated Crop Production Non-irrigated Crop Production
TN05130205015T -1100	Wall Branch	sedimentation/siltation Nitrate+Nitrite sedimentation/siltation	Discharges from MS4 area Discharges from MS4 area Off-road Vehicles
TN05130206039 - 1000	West Fork Red River	Nitrate+Nitrite total Phosphorus sedimentation/siltation other anthropogenic alterations	Discharges from MS4 area Discharges from MS4 area Site Clearance Site Clearance

July 2015

Clarksville and Montgomery County Rain Barrel Workshop

The City of Clarksville and Montgomery County Storm Water Programs organized and presented a Rain Barrel Workshop for the community. The workshop was held at the William O. Beach Civic Hall on July 11th, 2015. A total of 21 people signed up and attended the workshop, which was led by the Cumberland River Compact (CRC). The CRC gave a short presentation on water quality issues, including how rain barrels are made and how water harvesting can benefit the environment. Educational materials, including brochures, stickers and posters were provided by the CRC and the City of Clarksville Storm Water Program. During the workshop, a total of 25 rain barrels were sold at a cost of \$40 each. All funds went to support the CRC environmental programs. For several weeks leading up to the event, both the City and County advertised and promoted the workshop through Facebook, online public event calendars, newspaper articles and an event flyer. During the workshop, Ashlie Farmer, City NPDES Coordinator, took photos of attendees and their rain barrels. The photos were posted to the Street Department Facebook page.

The following educational materials were provided:

Clean Water Begins at Home poster-14

Tennessee Homeowners' Guide to Clean Water brochure-16

September 2015

Clarksville Riverfest

The Street Department set up a booth at the 2015 Clarksville Riverfest in the children's area. We had informational brochures, stickers, buttons and magnifying glass giveaways. In addition, we displayed a pans of bugs collected from Wall Brach Creek in Rotary Park. Both adults and children responded well to this "hands-on" activity and were able to see a variety of living creatures such as aquatic insects, fish, frogs and crayfish that inhabit our local streams. The kids used the magnifying glasses to view the all critters in the water sample. We discussed how the types of bugs we find in a stream can tell us a lot about the health of that stream. I explained that although the bugs may be some of the smallest animals, they are the first to respond to changes in the environment. We discussed how the stormwater system in Clarksville works and how bugs and other animals are affected by pollution caused by stormwater runoff. We talked about the food chain and the important role bugs play in the ecosystem by providing a source of food for fish, turtles and frogs. If

our streams aren't clean enough for the bugs to survive, we will in turn, see a sharp decline in populations of other animals and degradation in the overall health of the stream. We also talked about things we could do at home and in the community to reduce stormwater runoff. We spoke to approximately 200 people over the course of two days.

The following educational materials were provided:
Noticed Your Friendly Neighborhood Storm Drains Lately?-30
Tennessee Homeowners Guide to Cleaner Water-43
Clean Water Begins at Home Posters-30
Magnifying glasses-200
Stickers-Turtle-100
Fish-100
Only Rain in the Drain-22

October 2015

EPSC Level 1 Certification Class

On October 27th, 2015 the City of Clarksville and Montgomery County partnered with the University of Tennessee to offer the EPSC Level 1 certification class. Tim Gangaware with the University of Tennessee was the instructor for the class. City and County staff, as well as, local contractors and engineers were invited to attend. The class was held at Veterans Plaza in the William O. Beach Civic Hall. A total of 48 people attended the class and became EPSC Level 1 certified.

February 2016

50K Tree Day

The City of Clarksville Street and Parks and Recreation Department partnered with the UT Ag Extension to participate in the 2016 Tennessee Environmental Council 50K Tree Day event. On February 27th, 2016, a total of 15 volunteers, including Master Gardeners, UT Ag Extension Office, City and County employees came and were able to plant 200 trees at Valleybrook Park. Prior to the event, flyers were posted in municipal buildings, on the Street Department and Parks and Rec Departments Facebook pages and on the City of Clarksville website. The event was also promoted on various public calendars and events websites. Photos taken during the event were posted to the Street Department Facebook page.

April 2016

Minglewood Elementary Garden Club

On April 6th, Ashlie Farmer gave a rain barrel presentation to the Garden Club at Minglewood Elementary. The Garden Club was a group of teachers and students in 3rd, 4th and 5th grades. A total of 17 people attended the presentation and learned about how rain barrels work and benefits to using them. The children also showed me the garden and pond area they had built in an outdoor common area of the school. After the presentation the Street Department donated a rain barrel to the Minglewood Elementary Garden Club. They were very excited to receive it!

The following educational materials were provided:

- 20-Rain Barrels Make Good Sense UT handout
- 20-Sammy the Soil coloring book
- 3-NRCS Teacher Conservation packets
- 20-green logo grocery bags
- 50-Tennessee Homeowners Guide to Stormwater brochures
- 10-Discover the Waters of Tennessee Book
- 25-Turtle Stickers
- 20-Fish Stickers
- 20-Street Department Pencils

Amare Montessori School

On April 8th, Ashlie Farmer was contacted by Beth Tejada, Director of Amare Montessori School. She inquired about public education tools and opportunities we provided to the community. Ashlie spoke with her about several different events we had coming up and some we had done in the past. We discussed having an onsite program at the school later this summer. After the conversation, Ashlie put together a bag of educational materials for the school and dropped it by Amare Montessori School.

The following educational materials were provided:

- 1-Composting Yard, Garden and Food Wastes at Home Handout
- 8-Sammy the Soil coloring book
- 6-Backyard Conservation Book
- 1-NRCS Teacher Conservation packets
- 1-green logo grocery bags
- 1-Discover the Waters of Tennessee Book
- 1-Getting to know Your Watershed Book
- 1-Your Hometown Clean Water Tour Poster/Brochure

18-Water is Everyone's Business Brochure
1-Tennessee Homeowners Guide to Stormwater brochures
25-Turtle Stickers
20-Fish Stickers
20-Street Department Pencils

Clarksville and Montgomery County Rain Barrel Workshop

The City of Clarksville and Montgomery County Storm Water Programs organized and presented a Rain Barrel Workshop for the community. The workshop was held at the Austin Peay State University Foy Center on April 23rd, 2016. A total of 20 people signed up and attended the workshop, which was led by the Cumberland River Compact (CRC). The CRC gave a short presentation on water quality issues, including how rain barrels are made and how water harvesting can benefit the environment. Educational materials, including brochures, stickers and posters were provided by the CRC and the City of Clarksville Storm Water Program. During the workshop, a total of 40 rain barrels were sold at a cost of \$40 each. All funds went to support the CRC environmental programs. For several weeks leading up to the event, both the City and County advertised and promoted the workshop through Facebook, online public event calendars, newspaper articles and an event flyer. During the workshop, Ashlie Farmer, City NPDES Coordinator, took photos of attendees and their rain barrels. The photos were posted to the Street Department Facebook page.

The following educational materials were provided:

Clean Water Begins at Home poster-7

Tennessee Homeowners' Guide to Cleaner Water brochure-20

Rainwater: Your Liquid Asset a Home Stormwater Excercise-12

Rain Barrels Make Good Sense-17

Earth Day Clarksville

The Street Department recently participated in a Science Technology Engineering and Mathematics (STEM) Externship program offered through the Clarksville Montgomery County School System. The program allows teachers to spend a week with a local business to learn about their daily operations and gain insight to job related challenges, responsibilities and experiences. This experience will enable teachers to bring "real world" knowledge to the classroom and integrate it into their STEM teaching curriculum. On June 13th and 14th, 2016, the Street Department hosted two 8th grade teachers from West Creek Middle School. During the externship, various members of our staff

spent time with the teachers, both in the office and in the field discussing and demonstrating their particular area of expertise. The teachers not only observed but enthusiastically participated in all of the activities, some of which included, street sign manufacturing, map designing, stream sampling, macroinvertebrate identification, surveying, traffic signal operation, sinkhole formation and roadway paving. Both teachers were provided a water quality teaching packet to take back to school.

Rivers and Spires

On April 15th and 16th, 2016 the City of Clarksville Street Department attended the Rivers and Spires Festival held in downtown Clarksville. A table was set up in the Family Fun Zone where educational materials were available and staff spoke to parents and children about stormwater and water quality. A living mini model of a bioretention was displayed and an erosion/water quality demonstration showing how rain affects three different landscapes including bare dirt, forest and grass was demonstrated. Pencils, reusable grocery bags and super hero masks were given to those who stopped by our booth. Photos were taken at the event and posted on the Street Department Facebook page.

The following educational materials were provided:

Discover Tennessee Waters-200

Common Upland Hardwoods of Tennessee-10

The Adventures of Sammy Soil-32

Useful Native Perennial Plants for Conservation Buffers in Tennessee-10

Reusable grocery bags-210

Pencils-300

Superhero masks-288

June 2016

Clarksville Montgomery County Schools Science Technology Engineering and Mathematics (STEM) Externship Program

The Street Department participated in a Science Technology Engineering and Mathematics (STEM) Externship program offered through the Clarksville Montgomery County School System. The program allows teachers to spend a week with a local business to learn about their daily operations and gain insight to job related challenges, responsibilities and experiences. This experience will enable teachers to bring "real world" knowledge to the classroom and integrate it into their STEM teaching curriculum. On June 13th and 14th, 2016, the Street Department hosted two 8th grade teachers from West

Creek Middle School. During the externship, various members of our staff spent time with the teachers, both in the office and in the field discussing and demonstrating their particular area of expertise. The teachers not only observed but enthusiastically participated in all of the activities, some of which included, street sign manufacturing, map designing, stream sampling, macroinvertebrate identification, surveying, traffic signal operation, sinkhole formation and roadway paving. Both teachers were provided a water quality teaching packet to take back to school.

City of Clarksville MS4

Organizational Chart

