



Reaching Beyond Residents: Smarter Public Education for Your MS4

July 10, 2025 | 10:30 a.m. – 11:30 a.m. (Eastern)

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Reaching Beyond Residents

Smarter Public Education for Your MS4

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Nashville's MS4

- Metro area covering 526 mi²
- MS4 home at Metro Water Services
- Tennessee Department of Environment and Conservation (TDEC)



Nashville's MS4

- Over 715,000 residents
- Nearly 10,000 employees across 51 departments
- Over 300 NPDES permitted sites
- Over 8,000 Stormwater Control Measures (SCMs)
- Average of 900 active grading permits

1.5 ☺

Public Involvement and Education

Goal 1

- Meet and/or exceed MS4 permit requirements

Goal 2

- Increase the fundamental understanding of water pollution for Nashville students, residents, businesses, and municipal employees

Goal 3

- Encourage use of better management practices that result in improved water quality of runoff from MS4 and private facilities within Metro's MS4 jurisdiction

Target Audiences

School Groups/Youth Camps

General Metro Residency

Large Community Events

Social Media Audience

Municipal Maintenance Employees

Grading Contractors/Development Community

Post Construction BMP Owners

General “Hot Areas”

High Citizen Complaint Zones

Community/Business Type “Hot Areas”

School Groups/Youth Camps

- Public Education Specialist
- “Athens of the South”
- 159 Metro Nashville Public Schools
- Classroom projects
- Tours and Job Shadowing
- Summer camps



School Groups/Youth Camps



smART Yard
Designs, LLC.

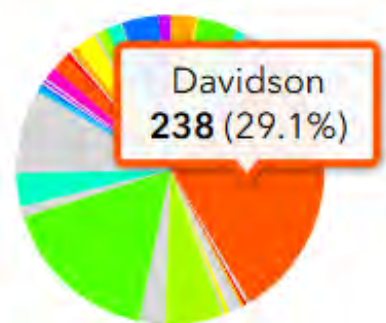
Driving Question:

*How can we use media
arts to show how
human activities affect
the environment?*

*Design an interactive
model of a smart
yard or rain garden.*

General Metro Residency

- Focus on TN Smart Yards and pet waste
- Workshops
- *Metro Nashville Network*
- *Public Signage*
- *Website*
- *Bill Inserts*



General Metro Residency

Which of the following are common pollutants that can wash off your property and into a creek or streams, choose all that apply

- ☐ Sediment
- ☐ Lawn Chemicals
- ☐ Vehicle fluids
- ☐ Dog Waste
- ☐ None of the above

What are some of the benefits of using a rain barrel include, choose all that apply: * 1 point

- ☐ Directing stormwater away from the house foundation.
- ☐ Collecting water for gardening.
- ☐ Collecting water for drinking
- ☐ There are no benefits



General Metro Residency



Mansker Creek Bank Stabilization

In 2021, Metro Water Services' Stormwater NPDES Program completed a stream bank stabilization project along 320 feet of Mansker Creek.

One of the largest sources of pollution in streams, and this bank of Mansker Creek was causing hundreds of pounds of sediment to flow downstream, impairing aquatic habitat. This erosion was so severe that it was also threatening public infrastructure such as the greenway, telecommunications lines, and a sanitary sewer main.

Before Construction



Due to the threat to public infrastructure, MWS sought supplemental reimbursement funding from the National Resources Conservation Services Emergency Watershed Program and the Tennessee Department of Agriculture Section 319 Non-Point Source Program. Over half of the construction costs were reimbursed to Metro through these programs.



During Construction

This stabilization project involved utilizing innovative bio-engineering products, such as articulated concrete blocks, which provide the hard-armoring necessary to withstand erosive forces of the creek waters during heavy rains while also allowing vegetation to grow along the stream bank.

Special care had to be taken during construction to separate flowing creek waters from the construction work. Hundreds of tons of soil and rock had to be hauled in to carefully build the stream banks back.



The design for this project included a small channel at the bottom of the banks that will

Completed/Stabilized Bank



The vegetation has been allowed to grow up within the articulated concrete block, which improves the water quality of Mansker Creek by filtering stormwater runoff. Additionally, the vegetation provides friction to slow down fast flowing waters during storm events to help minimize downstream erosion.



Thank you to our partners:



Rain Barrel Sale

Now through March 6th!



Scan the QR or visit rebrand.ly/2025Sale to purchase yours today!

Davidson County residents* can purchase a 50-gallon rain barrel for only \$56!

*Davidson County residents do not include the communities of Belle Meade, Berry Hill, Forest Hills, Goodlettsville, Oak Hill, and Ridgeway. Out-of-county residents can purchase a barrel for \$76.

Why should you buy a rain barrel?

- Use stored water to water plants during droughts
- Plants respond very well to rainwater
- Capturing rain from your gutters and downspouts reduces runoff and water pollution
- Using less tap water saves money



WEATHER STORIES

Metro Water Services has 'rain barrels' on sale

by: Davis Nolan
Posted: Mar 4, 2024 / 03:35 PM CST
Updated: Mar 6, 2024 / 05:27 PM CST



SHARE



NASHVILLE, Tenn. (WKRN) - Spring planting season is just around the corner, and you may already be making plans for your garden.

Metro Water Services has come up with a way to save money on your water bill, as well as protect the environment.

[Why is TN peak tornado season in the spring months? >](#)

They are having a sale on "Ivy Rain Barrels" made by Rain Water Solutions. It's like having your own personal cistern for watering your garden that gathers rainwater from your roof via the gutters.

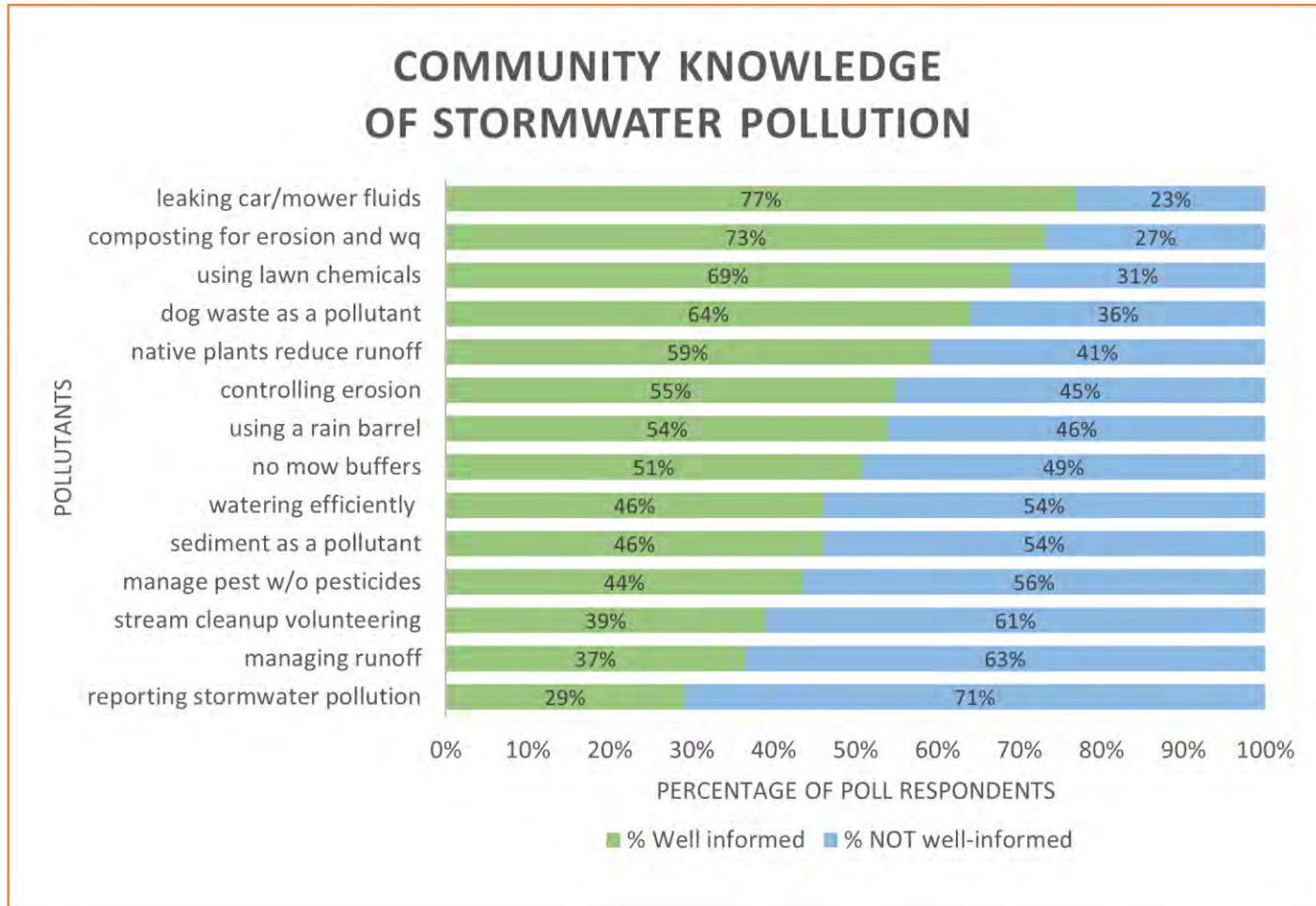
TRENDING STORIES

- 1 AMBER Alert: Officials searching Kentucky landfill
- 2 TN soldier accused of selling information
- 3 Wig-wearing bandit steals register from store
- 4 TN House passes pretextual traffic stop bill
- 5 Man accused of selling unlicensed Nike merch

Large Community Events



Large Community Events



Large Community Events

Irrigation Systems

Is the irrigation system on a set schedule? *

- ☐ Yes
☐ No

Do you change the schedule based on rainfall? *

- ☐ Yes
☐ No

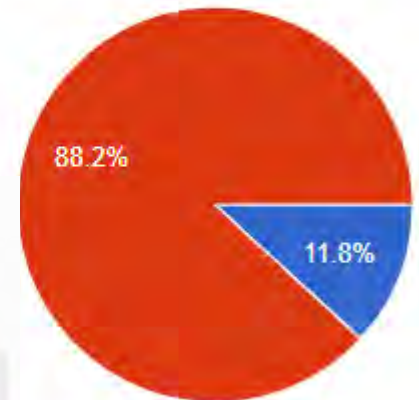
Does your irrigation hit impermeable surfaces like driveways, sidewalks, or streets? *

- ☐ Yes
☐ No

Do you use a landscaping service?

93 responses

- ☒ Yes
☐ No



Social Media Audience



In FY24

<i>Totals across platforms</i>	
<i>posts</i>	182
<i>impressions</i>	164508
<i>engagement</i>	3517
<i>engagement rate</i>	2.14%



Municipal Maintenance Employees

Table 4 – List of Metro O&M Sites Requiring SWPPPs or RMPs

Note: This list does not include Metro O&M facilities that are located within the CSS drainage basins (outside of MS4 Jurisdiction)

O&M Facility	Location	Metro Department	SWPPP or RMP Created
Cedar Hill Park Maintenance	860 Old Hickory Boulevard	Parks Department	RMP
Harpeth Hills Golf Course/Maintenance	7820 Coley Davis Road	Parks Department	RMP
McCabe Golf Course	4601 Murphy Road	Parks Department	RMP
Percy Warner Golf Course Maintenance	3150 McGavock Pike	Parks Department	RMP
Shelby Park Golf Course/Maintenance	1919 Fatherland Street	Parks Department	RMP
Ted Rhodes Golf Course/Maintenance Shop	1901 Ed Temple Boulevard	Parks Department	RMP
Two Rivers Park Maintenance	3150 McGavock Pike	Parks Department	RMP
Warner Park Maintenance	50 Vaughn Road	Parks Department	RMP
Public Works Headquarters	750 South 5 th Street	Department of Public Works	RMP
West Service Center/Salt Bin	3800 Charlotte Avenue	Department of Public Works	RMP
Metro Transit Authority Bus Terminal	130 Nestor Street	Metro Transit Authority	RMP
Schools Transportation Bus Terminal	336 Woodycrest	Metro Nashville Public Schools	RMP
Stormwater Maintenance/NPDES/Environmental Compliance	1607 County Hospital Road	Metro Water Services, Stormwater	Site under construction. RMP will be completed once site is complete
Tennessee State Fairgrounds	500 Wedgewood Avenue	Metro Fairground Commission	RMP
Dry Creek Treatment Plant	61 Edenwold Road	Metro Water Services	SWPPP
Central Wastewater Treatment Plant	1600 Second Avenue North	Metro Water Services	SWPPP

Municipal Maintenance Employees

3.0 POTENTIAL SOURCES OF POLLUTANTS

Pollutants from Metro operations and maintenance activities can include the following:

- Sand and/or soil flowing off-site from stockpile areas;
- Fertilizer, pesticides, fungicides, and herbicides;
- Detergents and other cleaning agents;
- Concentrated portions of grass clippings/leaves;
- Petroleum products from spills, leaking equipment, and/or washing equipment; and
- Other general maintenance products such as paint, solvents, etc.

3.1 GENERAL MAINTENANCE ACTIVITIES

Maintenance activities, if not performed properly, can lead to significant impacts to stormwater runoff. The following maintenance activities have been identified as having the potential for impacting stormwater runoff and Standard Operating Procedures (SOPs) have been developed for each. In general, maintenance activities at all Metro facilities shall follow the below-listed SOPs, which are located in Appendix A of this document.

- Pesticide, Herbicide, Fertilizer Application, Storage, and Disposal.
- Petroleum Product Storage & Spill Clean-up
- Grass Clipping Disposal
- Equipment Washing/General Maintenance Activities
- Bare Soil/Sand Management

3.2 SITE-SPECIFIC MANAGEMENT PRACTICES

Each Metro facility that houses operations and maintenance activities is different. Some Metro facilities have many sensitive areas such as streams, storm drains, or ditches, while others have very few. Cedar Hill Park happens to have one major drainage feature which could be impacted by runoff of pollutants from the maintenance shop due to the nature of the materials stored at the facility. Figure 1 depicts general stormwater drainage throughout the park. All stormwater drainage features, including inlets, ditches, and streams shall be protected from pollutant runoff that could result from maintenance activities such as chemical spraying and general material storage.

The area within the Cedar Hill Park that poses the most threat of pollutant runoff is the maintenance shop where materials and equipment are stored and maintained. The maintenance shop and the critical sensitive areas are depicted within Figure 2. The following sensitive areas have been identified at the maintenance shop.

1. Soil/Sand Stockpiles - sand stockpiling on the paved surface in front of the maintenance shop can easily flow off-site into a storm ditch.
2. Oil Drums/containers – located in front of the maintenance shop. Lids were either not present or not secured properly. It is advisable that the oil drums are moved under shelter and oil absorbent kits are on-site for any accidental spills.
3. Above-Ground Fuel Tank – Located behind the maintenance shop. Any leaks or spills could end up in storm channels below facility.

Municipal Maintenance Employees

- Annual inspection by NPDES staff to review
 - Monthly inspections
 - Annual training
 - Site conditions
- Barriers to employee training
 - Unsure how to train
 - Time constraints
 - High turnover

4.0 SITE SPECIFIC BMP PLAN

In general, following the SOPs outlined in Appendix A shall prevent pollutants from entering the storm drain. Specific BMPs, however, shall be deployed, at the sensitive areas identified within Figure 2.

4.1 Stockpiled Soil and Sand

Any area where sand or soil is stockpiled in a manner that can mix with stormwater and drain off-site into an inlet, storm ditch, or stream shall be protected with perimeter controls. Perimeter controls can be trenched in silt fence, staked down weighted sediment tubes, or other suitable materials that allow stormwater to drain away while filtering out the sand and soil. Perimeter controls are not needed if the materials are stored in areas surrounded by established, thick vegetation, as the vegetation such as thick tall grass can act as a filter from stormwater runoff. Stockpiled areas shall also be inspected once per week using the same inspection form located in Appendix B. Some of the weekly inspections should occur during rain events to determine if materials are draining off the site.

4.2 Oil Drums and Containers

The oil drums and containers should be moved to an area with a roof. They should have secured lids that are in place when the drum is not being used. Weekly inspections should be done to ensure that there are no leaks or spills. The person performing the inspection shall look for wet oily substances on the ground. Any discovered leaks or drips shall be repaired immediately. Any lost oil product shall be cleaned up promptly and properly with absorbent materials. A spill response kit shall be kept in close proximity to the storage area. In addition, the weekly inspection shall include looking at any equipment stored outside to determine if any oils are leaking.

4.3 Above-Ground Fuel Tank/Other Outside Equipment/Tanks

The large above-ground fuel tank shall be inspected weekly to determine if there are any leaks or spills. The person performing the inspection shall look for wet oily substances on the ground or on the hose of the tank. Any discovered leaks or drips shall be repaired immediately. Any lost oil product shall be cleaned up promptly and properly with absorbent materials. A spill response kit shall be kept in close proximity to the tank area. In addition, the weekly inspection shall include looking at any equipment stored outside to determine if any oils are leaking.

4.4 Employee Training

It is imperative that all maintenance employees are properly trained on the SOPs located within Appendix A. Each year, management shall go over the SOPs with each employee and document the training with employee signatures on the form located within Appendix B.

Municipal Maintenance Employees

The screenshot shows the METRO Water Services website interface. At the top left is the METRO Water Services logo. Below it is a button labeled "View O&M Annual Reports". To the right, under the heading "Instructions", there are three lines of text: "Complete your annual stormwater training by clicking your department below.", "Open the folder for your site and watch the video titled 'Annual Stormwater Training'.", and "Record your participation on an Employee Stormwater Training Sign-in Sheet. Keep the sign-in sheet with your site's Runoff Management Plan and monthly inspection forms." Below the instructions is a section titled "Metropolitan Nashville Government Departments" with seven icons: Fairgrounds, Metro Water, MNPd, MNPS, MTA, NDOT, and Parks. Below this is a section titled "See Something? Say Something" featuring a photo of a stream with trash and the word "Trash" overlaid. To the right of the photo is contact information for Metro Water, Stormwater, NPDES, including a phone number, email address, and physical address. At the bottom right is a button labeled "Submit a Hub Nashville Request". Orange arrows point to the logo, the "View O&M Annual Reports" button, the "Instructions" section, the "Parks" icon, the "Trash" photo, and the "Submit a Hub Nashville Request" button.

METRO WATER SERVICES

[View O&M Annual Reports](#)

Instructions

Complete your annual stormwater training by clicking your department below.

Open the folder for your site and watch the video titled "Annual Stormwater Training".

Record your participation on an Employee Stormwater Training Sign-in Sheet.

Keep the sign-in sheet with your site's Runoff Management Plan and monthly inspection forms.

Metropolitan Nashville Government Departments

- Fairgrounds
- Metro Water
- MNPd
- MNPS
- MTA
- NDOT
- Parks

See Something? Say Something

Trash

Contact Metro Water, Stormwater, NPDES, when you see water pollution.

Call: 615-880-2420 (After Hours: 615-862-4600)












Email: StormWaterQuality@Nashville.gov

1607-A County Hospital Road Nashville, TN 37218

[Submit a Hub Nashville Request](#)

8 of 10

Municipal Maintenance Employees

MS Metro Stormwater Operations and Maintenance Training Edit				
+ New ↑ Upload Edit in grid view Sync Add shortcut to OneDrive Pin to Quick access				
Metro Parks 				
	Name ▾	Modified ▾	Modified By ▾	+ Add column
	Cane Ridge Park	July 23	Judkins, Gretchen (WS)	
	Cedar Hill Park	January 31	Judkins, Gretchen (WS)	
	Harpeth Hills Golf Course	January 31	Judkins, Gretchen (WS)	
	McCabe Golf Course	January 31	Judkins, Gretchen (WS)	
	Percy Warner Golf Course	January 31	Judkins, Gretchen (WS)	
	Shelby Golf Course	January 31	Judkins, Gretchen (WS)	
	Ted Rhodes Golf Course	January 31	Judkins, Gretchen (WS)	
	Two Rivers Golf Course	January 31	Judkins, Gretchen (WS)	
	Warner Park	January 31	Judkins, Gretchen (WS)	

Municipal Maintenance Employees

MS

Metro Stormwater Operations and Maintenance Training

Edit

+ New ▾

↑ Upload ▾

📄 Edit in grid view






🔗 Share

🔗 Copy link

🔄 Sync

📌 Add shortcut to OneDrive

Metro Parks > Cedar Hill Park

 Name ▾	Modified ▾	Modified By ▾	+ Add column
 Annual Stormwater Training.wmv	April 11	SharePoint App	
 Employee Training Sign-in Sheet.pdf	February 6	Judkins, Gretchen (WS)	
 Monthly Grounds Inspection Form.pdf	February 6	Judkins, Gretchen (WS)	
 Runoff Management Plan.pdf	February 9	Judkins, Gretchen (WS)	

Municipal Maintenance Employees

Permeable Pavement

Allows runoff to infiltrate through spaces in the pavement

General Maintenance:

- Remove trash regularly
- Look for oily drips from vehicles
- Observe during a rain event to see if stormwater is infiltrating
- Complete preventative maintenance by blowing off dirt, leaves, etc.
- May need professional cleaning to remove buildup



Municipal Maintenance Employees

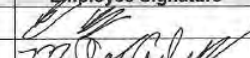
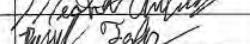

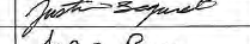
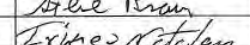
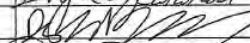

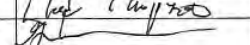
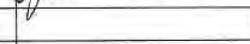




- Centennial Park
- SW Maintenance

Municipal Maintenance Employees

- December audit results
- New RMP and training
 - Fairgrounds and Geodis Park
 - System Services and Fleet
- Quizzes?

Employee Stormwater Training Sign-in Sheet
(Maintenance Employees to be trained on each Stormwater SOP located within Appendix once per calendar year. Employee sign-in sheets shall be kept within Appendix C of this document for a Period of no less than 3 years)

Metro Facility Name	Year of the Training	Supervisor Performing Training
Cedar Hill Maintenance	2024	Brent Bergmiller
Employee Name	Employee Signature	Date Trained
Brent Bergmiller		3/11/2024
Micheal Ambrose		3/15/2024
Russel Taylor		3/15/2024
Charles Christopherson		3/15/2024
Justin Seguret		3/15/2024
Steve Brown		3/15/2024
Irineo Catalan		3/15/2024
Dylan Drury		3/15/2024
Ann Brown		3/15/2024
Lloyd Thompson		3/15/2024
Gregory Powell		3/15/2024

Grading/Development Community

Welcome

Welcome to the first Metro Nashville Grading Permit Newsletter. This newsletter is being sent from Metro Water Services Stormwater NPDES to those of you who provided us your email addresses. We are using this resource to communicate to the development community for such items as notices, reminders, updates and other items of interest. I previously sent out emails but now am transitioning to this platform. Feel free to unsubscribe if you prefer not to receive these in the future.

I want to personally thank those of you who work with us to make our grading permit process a success for you, the development community and Metro Nashville.

Sincerely, Dale Binder - Grading Permit Section Manager



Did you know?

Did you know that you can check on the status and other inspection info of your grading permit project online?

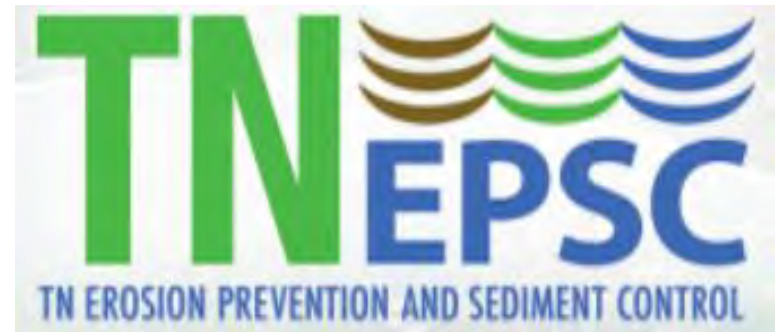
You can view this via the Nashville ePermits website at: [ePermits](https://nashville.gov/ePermits)

Upcoming Training - Certification

May 13-14, 2025 Stormwater Control Measure Inspection and Maintenance Certification for Tennessee

If interested please visit: <https://tnpermanentstormwater.org/class1.asp>

- Level 1 ESPC Class
- Grading permit emails



Grading/Development Community

Checklist for the Pre-Con Meetings	
<input type="checkbox"/>	EPSC professional? (person will be performing twice weekly inspections)
<input type="checkbox"/>	NOC if greater than 1 acre?
<input type="checkbox"/>	Contractor's License Number if over \$25k grading and drainage
<input type="checkbox"/>	Building Application made?
<input type="checkbox"/>	Buffers? (no disturb, permanent signage)
<input type="checkbox"/>	Variances?
<input type="checkbox"/>	Utility Stream Crossings?
<input type="checkbox"/>	Sediment Pond w/ outlet protection?
<input type="checkbox"/>	Water should route to sediment pond (swale/berms) and have positive drainage
<input type="checkbox"/>	Pit dewatering BMP?
<input type="checkbox"/>	Inlet protection on existing catch basins? (not in ROW)
<input type="checkbox"/>	Construction entrance?
<input type="checkbox"/>	Concrete washout area?
<input type="checkbox"/>	Fueling station / staging area?
<input type="checkbox"/>	Construction waste controls (debris, chemicals, port-o-potties)
<input type="checkbox"/>	If the EPSC plans are not being followed we must have written alteration plan. (SWPPP updated)
<input type="checkbox"/>	EPSC professional must physically inspect site prior to submitting letter for inspection.
<input type="checkbox"/>	Must be working off of a MWS approved grading plan. (any changes need to be approved first)
<input type="checkbox"/>	Grading permit must be posted.
<input type="checkbox"/>	EPSC prof. must notify MWS after 3 consecutive inspections where deficiencies have been found
<input type="checkbox"/>	All temporary EPSC must be removed once site is completed and stabilized.
<input type="checkbox"/>	Any excess fill to be exported must go to an approved permitted site.
<input type="checkbox"/>	Have landscape plan for bio-retention / rain gardens?
<input type="checkbox"/>	Asbuilts and pre-inspection 30days prior to request U&O or bond release.
<input type="checkbox"/>	Photos of water quality structures and installations.
<input type="checkbox"/>	Ensure bike friendly grates installed if inlet is in ROW
<input type="checkbox"/>	Permanent SCM signage
NO	
<input type="checkbox"/>	Fill piles outside of grading limits (provide epsc around stockpiles within grading limits)
<input type="checkbox"/>	Grading w/out permit including clearing and grubbing.
State / Federal Issues	
<input type="checkbox"/>	Waters of the State? ARAPs? SWPPP?
<input type="checkbox"/>	Mill Creek Watershed? (Nashville Crayfish)
<input type="checkbox"/>	Within 303d sediment listed watershed?
Handouts	
<input type="checkbox"/>	CSI sheet and Grading inspection checklist discussed and handed out
<input type="checkbox"/>	Penalties/Violation sheet and EPSC inspection checklist discussed and handed out
<input type="checkbox"/>	Initial letter to install initial epsc only as discussed

- In FY24
 - 264 pre-con meetings
 - 8968 site inspections
 - 405 complaint inspections

Post Construction BMP Owners

Aka Stormwater Control Measures (SCMs)

- SCM Inspection and Maintenance Certifications
- Lunch and Learns with Development Services
- Metro Dept SCM Trainings
- Property Manager and HOA Webinars
- SCM Maintenance Company Presentations



Post Construction BMP Owners

Aka Stormwater Control Measures (SCMs)

- In FY24
 - 2349 inspections
 - 35 complaint inspections
 - 571 inspection notices

Water Quality Unit

Water quality unit where cage looks to be installed backwards. May result in more maintenance needs. Significant sediment measured at time of inspection.



Post Construction BMP Owners

Aka Stormwater Control Measures (SCMs)

- Website
 - Parcel Viewer
 - Annual Report
 - Maintenance Training Videos
 - SCM widgets
- Upcoming – mailouts and door hangers

Stormwater Control Measures (SCM)

What is Bioretention?

Also known as a **rain garden**, a bioretention basin is a depression that has been filled with native plantings, a special soil mix, and landscape material. It is strategically located on a property to collect and treat stormwater runoff from developed (impervious) areas such as parking lots and rooftops.



Properly maintained and functional



Malfunctioning due to improper maintenance

Maintaining Your Stormwater Control Measure

Property owners are responsible for inspecting and maintaining SCMs on their property. Inspection and maintenance requirements for your specific SCM are filed with your property deed. These documents are available through the Metro Nashville Register of Deeds.

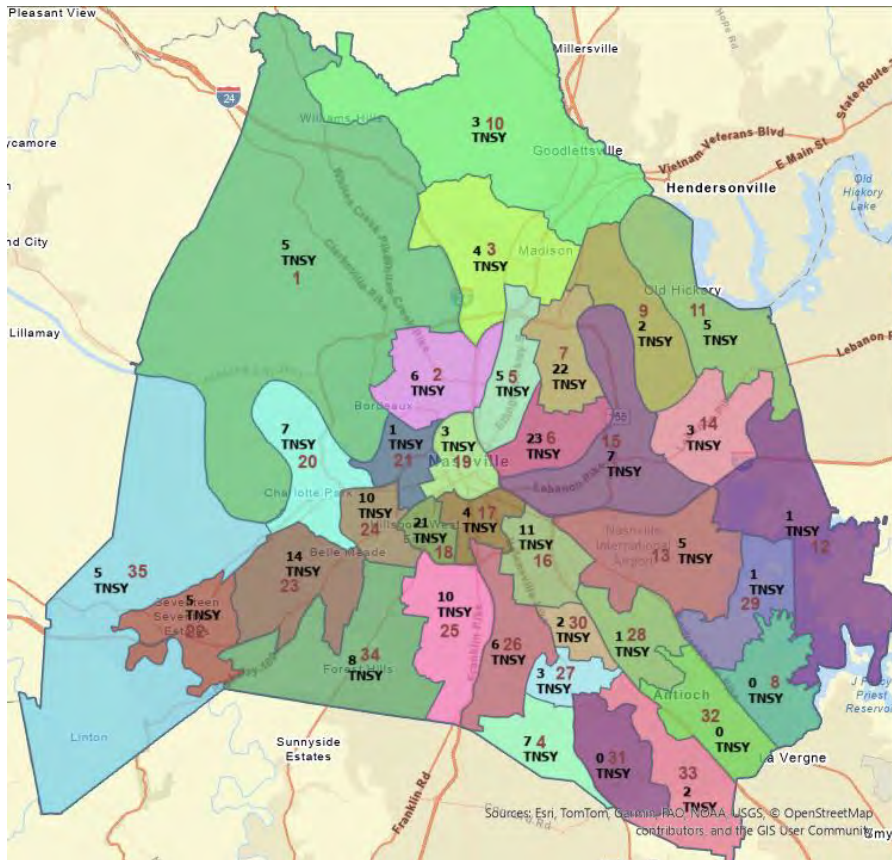
Typical Inspection and Maintenance Concerns Include:

- Observe the bed. Do the plants look healthy? Is there any erosion? Is there any trash? Does the mulch or stone need to be replaced? If so, the old layer of mulch or stone should be removed as to not reduce ponding volume.
- Inspect the outlet and inlets to ensure there is no sediment, trash, and/or vegetation growth which could result in a clogged outlet or inlet and improper draining.
- Is there evidence of water bypassing the bioretention basin?
- Visit the bioretention site within 48 hours of a rain storm, and see if there is ponding. If so, maintenance may be required.
- Avoid fertilizers and pesticides
- Avoid possibly compacting soil by not using heavy equipment, such as riding lawnmowers, on the basin
- If maintenance needs are identified during the inspection, ensure that service is performed in a timely manner to prevent larger problems from occurring in the future.

For more information, visit scm.nashville.gov or call Metro Water Services at (615)-880-2420



General “Hot Areas”





"DEAD ZONES" HAVE DECREASED OXYGEN IN THE WATER THAT COULD IMPACT AQUATIC LIFE.

Please follow all instructions to keep your lawn and garden healthy. Do not apply chemicals if rain is forecasted or if you have recently watered. Are you watering your yard? ¿Está regando su jardín?

Water Pollution Found in Your Area

This is not a citation. This is to inform you that our staff found the following pollutants in the stormwater drainage system that leads directly to _____.

<input type="checkbox"/> Auto Fluids	<input type="checkbox"/> Pet waste
<input type="checkbox"/> Paint	<input type="checkbox"/> Excessive dirt and gravel
<input type="checkbox"/> Degreaser	<input type="checkbox"/> Construction debris
<input type="checkbox"/> Home improvement waste (concrete, mortar)	<input type="checkbox"/> Pesticides and fertilizers
<input type="checkbox"/> Yard waste (leaves, grass, mulch, etc.)	<input type="checkbox"/> Cooking grease
<input type="checkbox"/> Trash	<input type="checkbox"/> Other: _____

For more information on the proper disposal of these items, please visit wasteservices.nashville.gov

Stormwater, also known as rain or melting snow, that does not soak into the ground flows towards a ditch or storm drain. Pollutants are picked up from our lawns and streets by stormwater on its way to our local creeks and streams. This *untreated* stormwater will eventually end up in the Cumberland River, the source of our drinking water.

Contact Metro Water Services, Stormwater for more information or to report water pollution:

Email StormWaterQuality@nashville.gov
 Call (615) 880-2420
 Report to Hub.Nashville.gov

Scan for 
<https://rebrand.ly/pollutionprevention>

Water Quality

Algal blooms may lead to excess nutrients. West Fork Browns excessive algal growth that use of fertilizers in the neighborhoods.

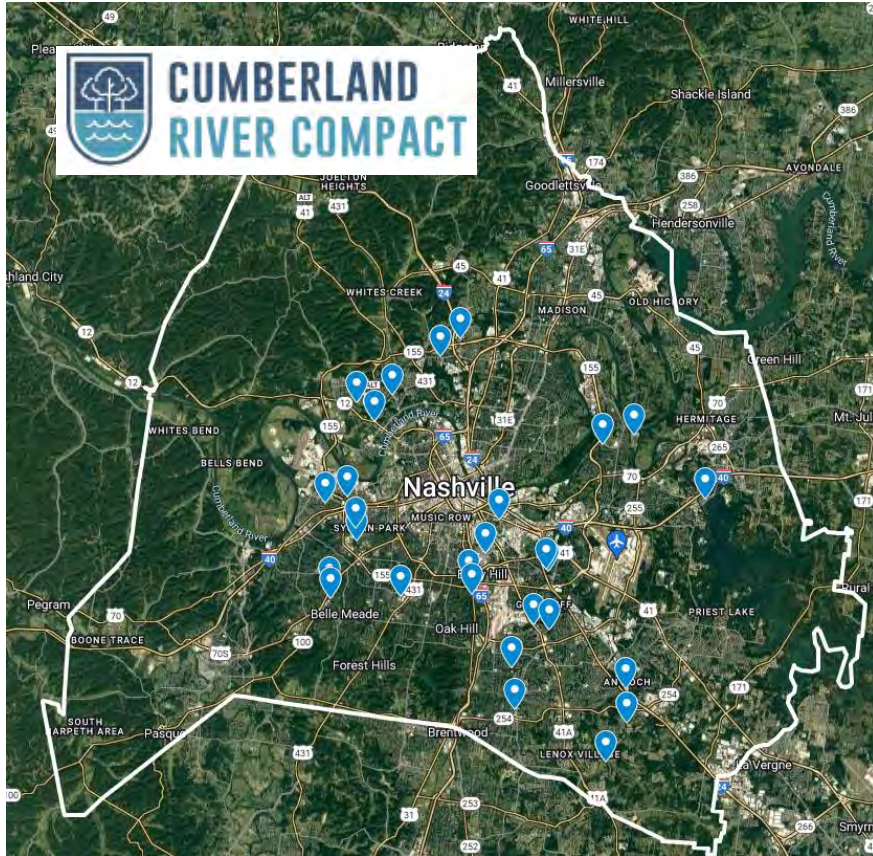
LEARN HOW TO



Locations: Stormwater Hospital Road, 18

FOR WATER

General “Hot Areas”



- FY24 Adopt-a-Stream
 - Signed up/renewed 9 groups
 - 17.15 miles with 25 groups
 - 34 cleanups with 438 volunteers and 291 bags of trash collected


High Complaint Zones

How to Protect


615-880-2420

Avoid polluting properly dispose food truck


- All wastewater should be disposed in an approved sanitary sewer
- Clean mats, garbage cans in designated approved sites
- Use a grease trap that is properly maintained with grease recycled or disposed of as solid waste
- All solid waste should be disposed in proof containers
- Dry clean any spills or leaks immediately
- Pick up trash regularly



Leaves do NOT belong down the drain!



Leaves in storm drains can cause flooding and hurt wildlife in Richland Creek!




Dispose of your Leaves properly by putting them into paper lawn bags and...

- put the bags along the street for brush collection, or
- take the bags to Living Earth free of charge at 6401 Centennial Blvd

تجنب تلويث السبليل من نفايات الخاصة

- ينبغي التخلص من مياه صرف صحي مع نظف الحصائر وصناديق في موقع صرف صحي
- استخدم مصيدة الشح بمنتظام مع إعادة تدوير كنفائات صلبة
- ينبغي تخزين جميع النفايات حاويات مانعة للتسرب
- قم بالتنظيف الجاف لأعلى الفور
- اجمع القمامة بانتظام



Community/Business “Hot Areas”

How You Can Help

Use Chemicals Responsibly

Follow the instructions on chemical packaging to avoid polluting creeks.



- Never apply chemicals if it is going to rain
- Never apply lawn chemicals on bare ground or near creeks and storm drains

Plant Trees

Trees can soak up rain, lower energy costs, and improve air quality.

You can get **free** trees from Root Nashville!



Dispose of Trash Properly

- Put trash in a trash can, not on the ground
- Compost leaves and limbs or set them on the curb for collection
- Recycle hazardous chemicals like motor oil and paint at these convenience centers:
 - Ezell Pike: 3254 Ezell Pike
 - East: 943 Dr. Richard G. Adams Drive
- Pick up litter in your neighborhood with gloves and throw it away
- Keep trash can lids closed



Keep Storm Drains Clear



Only rain down the drain!



Scoop the Poop

Dog poop has lots of bacteria that can make your family sick and hurt Nashville's streams when it is left on the ground.



Pick up dog poop.

Throw dog poop in the trash.



Community/Business “Hot Areas”

- Illicit discharge investigations
 - 156 investigations in FY24
- Dry-weather field screening via ½ mile grids
 - 153 grids completed in FY24
- Industrial inspections
 - 106 inspections in FY24



Community/Business “Hot Areas”

- Started as purely educational
- Discovered Tennessee Multi Sector Permit (TMSP) requirement

SIC Code	Sector U: Food and Kindred Products Facilities
2076	Vegetable Oil Mills, Except Corn, Cottonseed, and Soybeans
2077	Animal and Marine Fats and Oils
2079	Shortening, Table Oils, Margarine, and Other Edible Fats and Oils, NEC
2082	Malt Beverages
2083	Malt
2084	Wines, Brandy, and Brandy Spirits
2085	Distilled and Blended Liquors

Community/Business “Hot Areas”

- Getting contacts
 - Google
 - Tourism guides
 - Beer permits
 - TN Craft Brewers Guild
 - TN Distillers Guild
 - TDEC Office of Sustainable Practices

Community/Business “Hot Areas”

TMSP

vs

NEC

- Notice of Intent
- SWPPP
- Site inspections
- Analytical monitoring
- TDEC/MWS inspections
- Permit fee

- No Exposure Form
- Keep industrial processes/wastes away from stormwater
- MWS drive-by inspections
- Recertify every five years

Both options prevent stormwater contamination, solving the issue of illicit discharges.

Corrective Action Plan for Alcohol Manufacturers

Due by May 31st, 2024

Please submit one Corrective Action Plan for each facility.

Send completed forms to Gretchen.Judkins@Nashville.gov.

Facility Name:

Facility Address:

Facility Contact

Name:

Title:

Phone:

Email:

Please answer the following questions regarding the above facility:

1. Will this site pursue a Tennessee Multi-Sector Permit or a No Exposure Certification?

2. What controls are you installing to become compliant with the TMSP or NEC requirements (e.g., covering a dumpster, changing loading/unloading procedures, etc.)? Please be specific here.

3. By what date will you have these controls installed? If they have already been installed, please provide the install date below. If these are physical controls, such as dumpster covers or silos, please include photos in your email submission of this form.

4. By what date will you have applied for the TMSP or NEC? If you have already applied, please provide the submission date. If you have applied and already received approval from TDEC, please provide your permit number (beginning in TNR-).

Community/Business “Hot Areas”

- 42 out of 43 in compliance
- No Exposure sites so far
- Windshield inspections



Community/Business “Hot Areas”

Webinar Agenda:

9:00 - 9:05 AM **Introduction to Webinar** – Josh Hayes, MWS NPDES Permit Group Manager

9:05 - 9:10 AM **Overview of Industrial Stormwater Permits and Metro’s Role** – Gretchen Judkins, MWS NPDES Lead Industrial Stormwater Inspector

9:10 - 9:40 AM **Overview of Nashville’s Industrial Stormwater Inspection Process** – Gretchen Judkins, MWS NPDES Lead Industrial Stormwater Inspector

9:40 - 9:50 AM **Overview of the Draft General TMSP** – Gretchen Judkins, MWS NPDES Lead Industrial Stormwater Inspector

9:50 - 10:00 AM **Questions and Break**

10:00 - 10:20 AM **Overview of MWS Wastewater Pretreatment/Environmental Compliance Program** – Andy Welch, MWS Environmental Compliance Manager

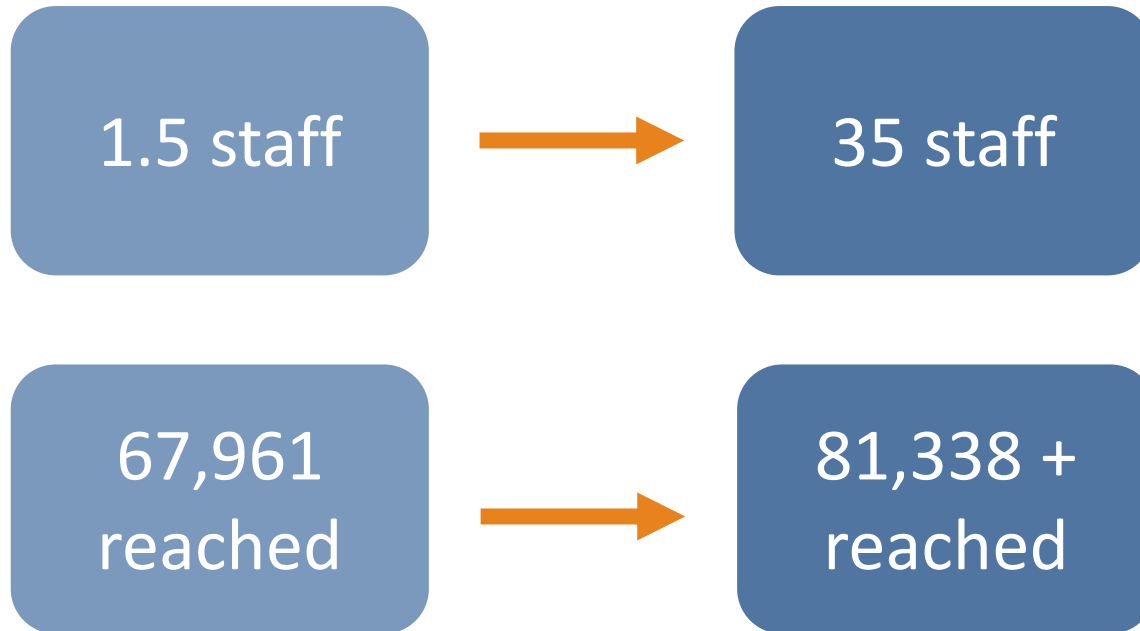
10:20 - 10:30 AM **Questions**

Everyone will be muted except the presenters until the question sessions.
Note any questions or put them in the chat to be answered during the question sessions.



[rebrand.ly/
MWSresources](https://rebrand.ly/MWSresources)

Where does that leave us?





THANK YOU

Gretchen.Judkins@nashville.gov