

Vol. 1, No. 4, November 2022



From our family to yours, we want to wish you a happy and safe holiday season! May your season be merry and your drains clear of fats, oils and greases ♥

World Toilet Day

This Saturday is World Toilet Day, as it is every November 19th!

WIFIA Loan

Metro Water Services has always delivered safe, clean and reliable water to our customers and we strive to stay informed of new technologies and ahead of new regulations. In an effort to continually explore emerging technologies to best provide safe and reliable drinking water to our customers now and in the future, MWS executed a pilot plant treatment study in order to determine the best future treatment system for the department's source water. Results from the two-year pilot plant project effort determined that Granular Activated Carbon (GAC) Post Filter Adsorbers achieved the improved MWS water quality and process enhancement goals desired. Additional process improvements will proactively address aging infrastructure, reduce flood risk, and increase capacity based on water master planning goals at the Omohundro and K.R. Harrington Water Treatment Plants (WTP).

These upgrades will begin by the end of 2022 and are expected to be complete in 2028 with a total cost of \$640M. MWS was invited to apply for a U.S. Environmental Protection Agency (EPA) Water Infrastructure and Innovation Act (WIFIA) loan in December 2021 and is proud to announce the securing of a \$315 Million loan to help finance these Process Advancement Projects. Receipt of this WIFIA

This is a day for us to stop and consider the 3.6 billion people still living with poor quality toilets that ruin their health and pollute their environment.

You can learn more about World Toilet Day and its mission by visiting worldtoiletday.info/learn.

Sanitary Survey

Every year, the Tennessee Department of Environment and Conservation (TDEC) performs a thorough inspection of utilities such as MWS in the form of the Sanitary Survey. Out of 599 possible points, we earned 592, equating to a 98.8%! Delivering you safe, clean and reliable water and waste services is and will always be our top priority and it starts with surveys like this.

loan will allow us to continue to strive for better things for our customers and the environment.

Planned improvements at both WTPs are as follows:

Omohundro WTP

1. Upgrade from 90 MGD to 150 MGD
2. New 150 MGD Raw Water Pumping Station and Chemical Feed Building
3. New High Service Pump Station
4. New 15 MG (minimum) Clearwell Storage
5. Piping and Process Replacements – Piping/Valves/Actuators
6. New Pretreatment Basins and Plate Settlers
7. New Conventional Filter Gallery and Backwash Pumps
8. Conversion of existing filters into GAC Post Filter Adsorbers and New GAC post Filter Adsorbers to achieve the design empty bed contact time (EBCT)
9. New Intermediate Pump Station (Dependent on Alternative Selected)

K.R. Harrington WTP

1. Upgrade from 90 MGD to 120 MGD
2. Filter Underdrain and Media Replacement
3. New Pretreatment Basins and Plate Settlers
4. New Conventional Filter Gallery and Backwash Pumps
5. Conversion of existing filters into GAC Post Filter Adsorbers and New GAC Post Filter Adsorbers to achieve the design EBCT

Public Tours

If you have ever wondered how the water got to your pipes or where it goes after it leaves you, wonder no more!



KR Harrington Water Treatment Plant Dates:

- January 26th



WC Wastewater Treatment Plant Dates:

- December 15th

- January 24th

Register for a tour [here](#) or [visit our website](#) to schedule a group tour.

6. New Intermediate Pump Station (Dependent on Alternative Selected)

The revisions expand the Omohundro WTP from 90 MGD to 150 MGD and the K.R. Harrington WTP will be expanded from 90 MGD to 120 MGD providing further capacity to serve the growing population of the City of Nashville and Davidson County.

Fats, and Oils, And Grease... Oh MY!

With Thanksgiving and other holidays in the near future, now is as good of a time as any to remember to trash the fats. Fats, oils, and greases will solidify and clog pipes even if they go down your drain as a liquid.

Instead, pour grease into a jar, allow it to harden and throw it out! Also, wipe out pans with a paper towel before giving them a wash.

Zero Waste



Don't throw out that pumpkin!

According to the U.S. Department of Agriculture, close to 2 billion pounds of pumpkins are grown each year for Halloween and end up in our landfills where they produce harmful greenhouse gases. This year, reduce your Jack-o'-lantern waste.

- Roast the pumpkin seeds for a healthy snack.



Zero Waste Tip of the Quarter

DYK you can **compost pumpkins, jack-o-lanterns, and all of that Thanksgiving food waste?** Take all the above and more to a Nashville [Convenience Center](#) to compost at no additional charge!

TN Smart Yards

MWS is promoting Tennessee Smart Yards – a free certification program that helps protect our waterways one yard at a time. Davidson County residents who certify their yards receive gifts – a Root Nashville tree, 25 lb. bag of our own

- Bake pumpkin bread, pumpkin pie, or throw your scraps into a curry.
- Save your uncarved pumpkins for Thanksgiving decorations. Uncarved pumpkins can last up to 12 weeks before they start to rot.
- Compost the rest! Take your pumpkins to one of our [Convenience Centers](#) for free composting.

[Convenience Centers](#) are open Tuesday – Saturday, from 8:30am – 4:30pm.



Zero Waste your Thanksgiving

The NRDC calls Thanksgiving one of the most wasteful times of year, with 200 million pounds of turkey wasted each year. Before the meal, have guests RSVP to help plan your portions. While cooking, save veggie scraps and bones to make broth and compost the rest. After the meal, send the guests home with leftovers, freeze additional leftovers, and donate unopened canned goods.

[Check out the NRDC's article for more waste-saving tips.](#)



Music City Gold fertilizer, and a metal yard sign!

You can learn more about this program and begin your own Tennessee Smart Yards journey at tnyards.utk.edu.

Apply to Work with Us!

Are you or someone you know interested in a job that gives you the opportunity to positively impact our community? If so, we are interested in you!

MWS is always looking for passionate people looking to make a positive impact to join our team. If you or someone you know is looking for the next step in your career, look no further! Learn more about our current opportunities [here](#).

Watch our Recycle Right Webinar and enter to win a t-shirt!

Do you have questions about recycling in Nashville? Watch our virtual workshop to learn about the importance of recycling and how to Recycle Right. This webinar will cover:

- The 3 Rs: Reduce, Reuse, Recycle
- How recycling works in Nashville
- What can and cannot be recycled
- Why some things cannot be recycled

[Click here to watch the Recycle Right Webinar](#)

After watching, take our short quiz for a chance to win a Get Rowdy Recycle T-shirt:

<https://rebrand.ly/RecycleRightQuiz>.

Rain Barrel Sale

We are excited to announce that MWS' Rain Barrel Sale will return this Spring! We will subsidize a limited amount of rain barrels for Metro Nashville residents (2 per household). Keep an eye on our website & social media for updates!

Contact Us

Water, Sewer, & Stormwater

nashville.gov/water

(615) 862-4600

1700 3rd Ave N,
Nashville, TN 37208

—

Waste Services

(615) 862-5000 | 311

Hub.Nashville.gov

—

[Public Records Requests](#)

—

This is **your** newsletter!
What would you like to read more about? Let us know [here](#).

Did you know?

Our website can be translated into more than 65 different languages by clicking the translation tab on the



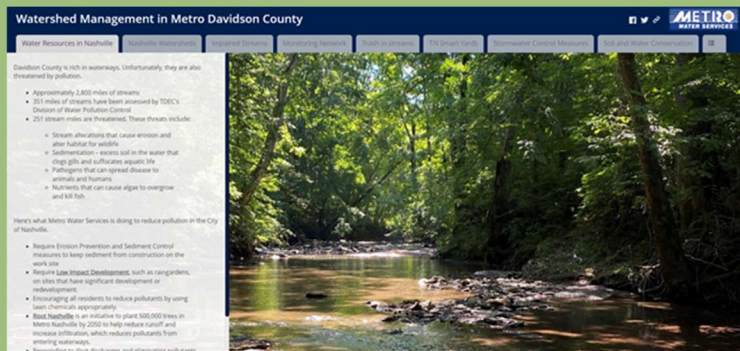
Watershed Management Website using ESRI Storymap Application

—

NPDES stands for National Pollution Discharge Elimination System. MWS has a section in the Stormwater department that focuses on the NPDES permit that is issued by the state to regulate the storm sewers and stormwater infrastructure. There are many pollutants targeted such as pathogens, nutrients, and sediment... just to name a few. Many programs have been implemented to address the impacts of urban environments and development however it is often not common knowledge that these measures are being taken.

A watershed management website was created with an ESRI ArcGIS online application to highlight the many of these programs that are facilitated at MWS and inform the public of the resources available that relate to watershed management. There is information about stream impairments and sampling programs, including maps where they can search for specific addresses to see what watershed they live in and what the nearest stream is. Other programs that highlighted on the website are Low Impact Development, Clean Water Nashville, Root Nashville, Soil Conservation and more. The link to this website is <https://arcg.is/09Si5r>

header of the
Nashville.gov website!



Join us!

The second annual Metro's Got Talent show will take place December 10th at 7:00p. Come join us for some holiday fun as Metro employees share their talents! This event will take place in the Downtown Library Auditorium and is open to the public. Secure your ticket by sending \$15 to our Venmo (@metrowater) with the note "MGT 2022". Be sure to screenshot the receipt to show at the door!

MWS holds monthly Facebook Live events with our Director, Scott Potter, providing viewers an opportunity to get a glimpse inside many of our facilities and learn more about our processes. Follow us on Facebook for notifications! If you are unable to join us live, you can also watch all past events on our page.

Join us for a tour of one of our facilities! Learn more about the water you drink or the water you're sending back our way. We offer both adult and student tours of our KR Harrington Water Treatment Plant as well as our Whites Creek Water Reclamation Facility. [Learn more](#) about these tours or [schedule one today](#).

We are excited to announce Citizen's Water Academy will be returning this Spring! CWA is an opportunity for you to #DiscoverWater and learn about our most precious natural resource, water, and how MWS manages it from "river to river." CWA is an in-person interactive five-session program, held over the course of 2.5 weeks. Participants will have the opportunity to interact with MWS Staff and experience the treatment process by touring various MWS facilities - including our Research and Analytical Laboratory and historic Omohundro Water Treatment Plant.

The dates for the Spring session will be...

Tuesday, April 25th
Thursday, April 27th
Tuesday, May 2nd
Thursday, May 4th
Tuesday, May 9th

Email us at MWSCommunications@groups.Nashville.gov to sign up for application reminders!



Do you have any friends, family, or neighbors who you think would be interested in receiving this quarterly update? Send them to [this link](#) or have them email us to join the list at MWSCommunications@groups.Nashville.gov

No longer interested in receiving this quarterly update? Email us with the subject line "Unsubscribe" at MWSCommunications@groups.Nashville.gov

Stay Connected with Nashville.gov:

SUBSCRIBER SERVICES:

[Manage Subscriptions](#) | [Unsubscribe All](#) | [View Online](#) | [Help](#)

Update your subscriptions, modify your password or email address, or stop subscriptions at any time on your [Subscriber Preferences Page](#). You will need to use your email address to log in. If you have questions or problems with the subscription service, please contact subscriberhelp.govdelivery.com.

This service is provided to you at no charge by Nashville.gov.

This email was sent to megan.fuqua@nashville.gov using GovDelivery Communications Cloud on behalf of:
Nashville.gov · 100 Metro Courthouse · Nashville, TN 37201 · 615-880-1000

