



LIQUID

E-NEWSLETTER



SAVE WATER FOR WORLD WATER WEEK!

Turn off the tap while
brushing your teeth!



Celebrate World Water Week

August 23-27

World Water Week is August 23-27! Celebrate by turning off the tap while brushing your teeth or shaving — and save as much as 50 gallons of water in just one week! □

Learn more quick tips to start saving water — and money — by clicking the button below.

Save Water

August is Water Quality Month

Learn where our water comes from — and how the PSD creates clean drinking water.



August is National Water Quality Month! Are you curious about where our water comes from — and how Hilton Head PSD creates clean drinking water for the island?

We have several ways to produce high-quality drinking water, which allows us to choose the best options for our customers. These processes include:

- **Reverse Osmosis** — a process that removes salts and other dissolved solids from water.
- **Using the Upper Floridian Aquifer** — a limestone, freshwater aquifer located 50 to 150 feet underground. It is one of the largest aquifers in the world, and stretches from the Beaufort area southward through the Florida

Everglades.

- **Aquifer Storage and Recovery Well** — The PSD constructed the island's first-ever Aquifer Storage & Recovery Well inside Hilton Head Plantation in 2011. The well both stores and withdraws drinking water.
- **Wholesale Water** — The PSD purchases water from the Beaufort-Jasper Water & Sewer Authority (BJWSA).

Reverse Osmosis

The PSD's Reverse Osmosis Treatment Facility, located across U.S. 278 from Windmill Harbour, began operations in April 2009. It provides customers with 3 million gallons of fresh water a day, about half of the average daily demand for water. In 2013, the PSD began preparations to expand the plant's production to 4 million gallons a day. The RO Plant's construction was necessary to replace water supply lost to saltwater intrusion. The plant uses state-of-the-art filtration to produce a very high-quality water. In fact, it's the same process used to produce many brand-name bottled waters and other beverages. The RO plant is expandable to provide 6 million gallons of water a day.

Upper Floridian Aquifer

The Upper Floridan Aquifer is a limestone, freshwater aquifer located 50 to 150 feet underground. It is one of the largest aquifers in the world, and stretches from the Beaufort area southward through the Florida Everglades. Groundwater from this aquifer requires little treatment. The PSD treats this water with chloramines directly at our well sites. Unfortunately, this aquifer has been impacted by saltwater intrusion.

Aquifer Storage and Recovery Well

The PSD constructed the island's first-ever Aquifer Storage & Recovery Well inside Hilton Head Plantation in 2011. The well both stores and withdraws drinking water. The PSD takes advantage when BJWSA has reduced wholesale water rates, storing treated Savannah River surface water in the Middle Floridan Aquifer using the ASR Well.

Then, in the summer months when drinking water demand and the wholesale water rates increase, the ASR Well is used to withdraw and re-treat 2 million gallons of drinking water per day. The ASR process involves injecting treated water into the underground aquifer, and then withdrawing and retreating it for distribution.

The ASR process involved the PSD injecting 240 million gallons of wholesale water into the 600-foot-deep Middle Floridan Aquifer to build a bubble of fresh water in the brackish aquifer. The fresh water displaces the brackish water and a buffer zone is created at the edges of the fresh water bubble. When the ASR well is used to withdraw water, the water is drawn from the center of the fresh water bubble.

[Read
More](#)

Activity in the Atlantic is ramping up.

We've reach peak hurricane season — and this year is expected to be more active than originally forecast.

Atlantic hurricane activity really started ramping up in mid-August — where we saw three tropical systems in the Atlantic at once (Fred, Grace and Henri).

With 8 named storms in the books already, NOAA [updated its 2021 Atlantic Hurricane Season Outlook](#) on August 4.

NOAA is now predicting a total of 15-21 named storms — including 7-10 hurricanes, of which 3-5 could become major hurricanes.

This is up from the May forecast of 13 to 20 named storms, including 6 to 10 hurricanes.

Historically, the peak of the Atlantic hurricane season is from now (mid-August) through October. The season doesn't officially end until November 30.

Early preparation is key to staying safe in case a hurricane does head toward the Lowcountry.

It's important to have an emergency kit ready and a hurricane plan *before* a storm is forecast to impact the area. Stores often run out of supplies once a storm is forecast, and while NOAA and the National Hurricane Center give advanced warning, storms are still unpredictable and could leave you with very little time to prepare.

Click the button below to learn more about how to prepare for a hurricane.

Hurricane
Preparedness



Are you storm ready?

Check out our Hurricane 101 guide to make sure you know what to do if a storm does head our way.

Save the bees!

August 21 marks World Honey Bee Day.

August 21 is World Honey Bee

Day!

We're all about saving the bees at Hilton Head PSD.

Did you know an easy way to help the bees is to plant native wildflowers?

And an added bonus? A native plant-based landscape can help you save water on irrigation, too!

Want another way to help the bees? Leave out a shallow container with rocks or marbles and a little water for the bees during summer droughts.

(Just don't add sugar! That's a common myth and could actually do more harm than good).

Want to learn more about planting native wildflowers?

Click the button below to learn more about native wildflowers in South Carolina.

Read
More



- A camera powered weather radio
- Mobile device chargers
- A flashlight and extra batteries
- Non-perishable food for at least 3 days
- Plastic dishes, eating utensils
- Any prescription medications and a first aid kit
- Sunscreen, sunglasses and bug spray
- Personal hygiene items
- Blankets, towels and clothing
- All of your important documents
- Enough cash to fill your vehicle with gas
- Pet supplies
- At least 2 gallons of water per person per day (plus water for any pets)

Remember to store drinking water in clean, non-corrosive, tightly covered containers and keep those containers in a cool, dark location.

Hurricane Season 101

Check out these fun kids' activities — (and save money!)

Looking for some fun and educational activities for the kids to do at home?

These worksheets and scavenger hunts featured on our What Not To Flush page and from our WaterSense partner are fun for the kids — and could help you save water and money in the long run.

Send the kids on a Water-Saving Mission!

Lesson 3: Do a Drip Scavenger Hunt
 While water leaks are usually the biggest water wasters, even small drips from a faucet can add up.

Activity: Check for Dripping Faucets, Showers, Pipes, and Hoses
 For this activity you will need:
 • A watch or clock with a second hand

Location of Drip	Drips per Minute
Bathroom	
Faucet	
Shower	
Bath tub	
Drinking	
Faucet	
Pipes under sink	
Outside	
Hose	
Sprinklers	

Instructions:
 1. Walk through your whole house, looking and listening as you go from room to room. Use the list at right as a guide on where to check for drips.
 2. Check the appropriate checkboxes if you find a drip or leak.
 3. If you find a drip, use your watch to measure how many times it drips in one minute. If you find a pipe that isn't dripping, but is wet, write that down too.

Do the Math:
 If a faucet leaks at the rate of 1 drip per second, how many gallons of water does it waste in 1 year?
 Show your work here:
 $1 \text{ drip} \times 60 \text{ seconds} \times 60 \text{ minutes} \times 24 \text{ hours} \times 365 \text{ days} = \text{_____} \text{ drips}$
 Divide it by _____ + 10,000 drips = _____ gallons
 Write your answer here: _____

Conversion Equation:
 Drips to Gallons
 10,000 drips = 1 gallon

If a shower leaks at the rate of 10 drips per minute, how many gallons does it waste in 1 year?
 Show your work here:
 $10 \text{ drips} \times 60 \text{ minutes} \times 24 \text{ hours} \times 365 \text{ days} = \text{_____} \text{ drips}$
 Divide it by _____ + 10,000 drips = _____ gallons
 Write your answer here: _____

Conversion Equation:
 Drips to Gallons
 10,000 drips = 1 gallon

EPA WaterSense PARTNER
 HiltonHead PSD

If you need an educational activity for the kids, send them on a water-saving mission by finding pesky leaks in your home that could be wasting water! ☐☐

These WaterSense activity sheets can help the kids improve their math skills, learn how water meters work, learn how to detect leaks — and send the kids on a leak finding scavenger hunt. ☐

(And an added bonus: If they find any leaks, you'll save water AND money in the long run).

Download the worksheets

Teach kids what not to flush

Flushing the wrong thing down the toilet can lead to costly repairs. ☐

That's why we're trying to help spread the word that even things many people think are okay to flush — like those so-called flushable wipes — really need to go in the trash, not down the toilet.

WHY CAN'T I FLUSH WIPES?
A SCIENCE EXPERIMENT TO TEST IF "FLUSHABLE" WIPES REALLY DISSOLVE

MATERIALS:

- 2 CLEAR BOWLS OR CUPS OF WATER
- A SPOON
- A STOPWATCH OR TIMER
- TOILET PAPER
- "FLUSHABLE" WIPES

INSTRUCTIONS:

1. FILL 2 CLEAR BOWLS OR CUPS WITH WATER
2. ADD 2 SQUARES OF TOILET PAPER TO ONE CUP OR BOWL
3. ADD 1 "FLUSHABLE" WIPE TO THE OTHER CUP OR BOWL
4. STIR BOTH GENTLY WITH A SPOON
5. SET A TIMER FOR 10 MINUTES
6. OBSERVE IF EITHER THE TOILET PAPER OR THE WIPE DISSOLVED MORE. WHAT HAPPENS IF YOU STIR THEM AGAIN? WHAT IF YOU TOUCH THEM WITH YOUR FINGERS? DO THEY FALL APART?

Visit hhpsd.com to learn more about what not to flush.

We created a ton of free downloads to help teach kids what should and shouldn't go down the toilet — including fun posters you can hang in the bathroom to serve as a constant reminder.

There are even worksheets, including a word search, a crossword puzzle, a matching game and a fun science experiment that'll show kids how wipes don't dissolve in the same way toilet paper does (so you can already be prepared when they ask the inevitable "But, why?").

Don't flush prescription medications.



And remember: Don't flush prescription medications

While we're on the subject of What Not To Flush — please don't flush unused prescription medications down the toilet, either.

Unused prescription medications should not be flushed or thrown in the trash.

Instead, they should be safely disposed of in one of Beaufort County's prescription drug drop-boxes. Our What Not To Flush page gives you information about where to find these drop-boxes.

**"Flushable" wipes
aren't really flushable.**

Learn more at hhpsd.com.



WIPES CLOG PIPES 

**Those "flushable wipes"
can clog your pipes.**

Please don't flush so-called "flushable wipes" down the toilet!

These wipes don't break down the same way that toilet paper does, and can lead to costly repairs.

[Click here for more information.](#)

**A failing septic tank can risk your —
and your neighbors' — health.**

Don't wait 'til it breaks. Get connected now.



**Failing septic tanks can be
hazardous to your health.**

If you're still using a septic system on Hilton Head Island, we urge you to get on the waiting list for a sewer connection today. Failing septic systems can lead to costly property damage, health code violations and liability issues.

They're also a serious risk to your — and your neighbors' — health and safety. Failing septic systems pose a threat to your health from harmful pathogens found in human waste.

Why connect now if your system is working?

Now that sewer connections are available throughout so much of Hilton Head Island, S.C. DHEC regulations prohibit repairing — or replacing — a failing septic system when the public sewer is available.

Meaning: If your system fails, you can't fix it. And since it can take weeks

to schedule your conversion from septic to the public sewer system due to contractor availability, it's extra important to get on that waiting list now. So don't wait 'til it breaks!

If you do, you risk everyone's health and safety — and could potentially stink up your entire neighborhood — if your system fails.

Worried about the cost?

We know not everyone can afford to upgrade from a septic system to a sewer connection on their own. That's why we partnered with Project SAFE and The Deep Well Project.

Deep Well volunteers are on standby to help income-qualified homeowners complete the Project SAFE application that provides financial assistance to those eligible for the program — which can cover up to the full cost of your sewer connection.



For those who don't qualify for Project SAFE, we do have a few different payment plans available, including long-term/low-interest financing. Hundreds of your neighbors have used the PSD's financing program to get connected already!

How do I get connected?

Getting connected is easy; just contact PSD Customer Service at (843) 681-5525 or at info@hhpsd.com. The PSD will arrange your connection for you.

Click the button below to learn more.

Get
Connected

Sign up for Paperless E-mail Billing and Automatic Bill Pay

You can sign up to receive your monthly bills via e-mail through our online

website or by calling our Customer Service office during normal business hours. Here's how it works:

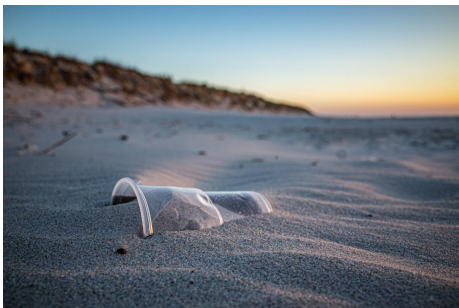
To sign up online, login to our secure online payment portal and visit the “How We Communicate With You” tab.

Enter your e-mail address, click that you would like to receive “As An Email” (uncheck “As A Paper Bill” if you no longer wish to receive a paper statement), and click save.

You can also use our secure online payment portal to sign up for automatic reoccurring ACH draft payments using the “Add EFT Payment Information” tab or automatic reoccurring credit card payments by clicking the box that says “Check here to have future bills automatically paid using this information” when making a credit card payment using the “Online Payment” tab.



In the community:



Annual Hilton Head Kiwanis Club Chili Cookoff Returns Oct. 9 at Coastal Discovery Museum!

The Hilton Head Kiwanis Club's Annual Chili Cookoff and Jeep Island to benefit local youth charities will be held from **11 a.m. to 3 p.m.**, Saturday, October 9, 2021, at the Coastal Discovery Museum on the north end of Hilton Head Island.

Chili cooks will compete to earn donations to the youth charities of their choice! Please come out to support the PSD team as we once again compete to earn the top chili cook honor!

[Click here](#) to learn more about competing at, sponsoring, and attending the Chili Cookoff.

Join Palmetto Running Company for a Jog & Beach Clean Up!

You don't have to be a runner to participate. There will be two groups: One group will start their run and end at the Pick Up location to start collecting trash. Second group will just do trash pick up!

Meet at the fountains at Coligny Beach at 7 a.m. on September 11. [Click here for more.](#)





Harbour Town Barbecue and Lowcountry Boil

Head to Sea Pines for this fun family gathering and quintessential Lowcountry experience taking place immediately prior to the Gregg Russell concert.

Check it out Tuesdays August 24 and August 31. [Click here to learn more.](#)

Hilton Head PSD Affiliations

We are proud to partner with the following organizations.



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INFORMATION

