

CHAPIN UTILITY NEWS SPLASH

Information for the Customers of the Chapin Utilities Department

Volume 3, Issue 3 Fall 2018

Chapin Utilities – Capital Improvements Update

As most of you are aware, the Town of Chapin has embarked on unprecedented improvements to its wastewater system, in order to provide continued excellence in service to its existing customer base, provide enhanced sustainability and environmental sensitivity and control the cost of service in order to minimize the magnitude and frequency of rate increases for customers. Current projects underway in the Capital Improvements Program (CIP) are the construction of a new 2.4 MGD wastewater treatment facility, construction of a 10-inch force main from Quail Walk Drive to Indian Cove Road, construction of a 12-inch force main from the new pump station at Creekside at Chapin Place to Hilton Crossroads, and construction of a 16-inch force main from Hilton Crossroads to the new wastewater treatment facility.

The new wastewater treatment facility is moving along at a pace that appears to be ahead of schedule. Much of the concrete work has been completed for the aeration basins, clarifiers, sludge digester and chlorine contact chamber. Plant piping is substantially installed, as well as conduit and duct



Aerial view of construction progress – photo dated 10-23-18

bank for electrical service to various equipment

locations. Installation of the wet well for the effluent pump station is progressing. This has been a challenging installation, given the depth requirements, and amount of rock removal required. In the coming weeks, it is anticipated that various buildings will begin to be erected, such as the new administration building, the electrical building, and the sludge dewatering building.

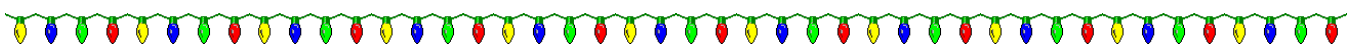


Clarifier wall pour 10-2-18

As previously noted, construction appears to be ahead of schedule. The contractor has a final completion date that is currently September 5, 2019, however, additional days may be allowed for weather related delays if required.



Placing rebar in the floor slab of the chlorine contact chamber





Chapin Utilities – Capital Improvements Update (continued)



Installation of plant reuse water line. Treated wastewater effluent is being utilized for a majority of the plant's water usage. While potable water is still required at the plant for some areas, such as for mixing with polymers at the sludge dewatering facility, and in the administration building for human consumption, using treated effluent for a majority of wash-down procedures at the new plant will save on potable water usage, and thereby costs, resulting in less expenditures, which have to be passed on to the customer. As you can see, the pipe color for plant reuse water is purple. The pipe color for potable water is blue, while the pipe color for untreated sewer is green. This allows for proper identification of pipes in the future, if these lines ever need to be tapped.

Another Capital Improvements Project (CIP) currently underway is the design and construction of a 10-inch force main from Quail Walk Drive to a location near Indian Cove Road. The length of this line is approximately 8,000LF, and will help to diminish capacity and surcharge issues in the Old Lexington Road Peninsula. This project is being designed and constructed by a local developer, and by approval from Town Council through the Capital Improvements Sewer Agreement program. The project is currently in the surveying and design phase, with construction anticipated to begin in the spring of 2019.

Phase 1 of the East Chapin Force Main project is another CIP being administered through the CIP Sewer Agreement program in conjunction with a local developer. This project consists of approximately 12,000lf of 12-inch force main from the new regional pump station at Creekside at Chapin Place to Hilton Crossroads (the intersection of US Hwy. 76 and Wessinger Road). The project is under design review by the Town, and should be submitted for permitting in early 2019. Construction should begin in the spring to summer of 2019.

Phase 2 of the East Chapin Force Main project is a continuation of the phase 1 portion, consisting of approximately 19,000lf of 16-inch force main from Hilton Crossroads along Chapin Road, Crooked Creek Road, and Holly Oak Lane to the new wastewater treatment facility. When these two phases of East Chapin Force Main are complete, significant improvements will be seen throughout the entire Chapin Wastewater System. This phase of the project is being designed and will be constructed through contracts issued by the Town directly. Funding is anticipated by Town capital reserves, and through the State Revolving Fund Loan program. This project should be on line in conjunction with the new WWTP.

Construction is nearing completion at the intersection of Murray Lindler Road and Old Lexington Highway. SCDOT mandated the relocation of Town of Chapin sewer lines due to the upcoming construction of a new roundabout. It is anticipated that construction should be complete by year end.



Christmas Gift Ideas: Water Edition

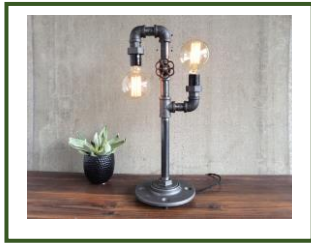
Deck the halls with . . . dual-flush toilets?



Water supports every living thing on Earth and the water we use now is all we'll ever have, so "wow" all of your friends and family with gifts that conserve water, protect water and encourage us all to value water. Here are some unique gift ideas that give back to our public water systems.

Kitchen Sink Strainer - It's the perfect stocking stuffer for everyone on your list and you can find them for less than \$5 apiece at your local hardware or grocery store. Many people don't realize that the sewer system was not designed to deal with their leftovers, but you can keep your loved ones clog-free in 2018 now that they are catching all those food scraps and throwing them in the trash instead of sending them down the drain. I have one in my sink, and my sink is amazing. This is perfect for those who have their plumber on speed-dial, or for anyone with a kitchen sink.

Reusable Water Bottles - Take back the tap for the New Year! It's refreshing, convenient, and you can fill 1,500 glasses of tap water for what it costs to make one plastic bottle. Don't be duped. Bottled water is often just regular municipal tap water, but it's held to lower quality standards. Whether your choice is BPA-free plastic, glass, stainless or any combination thereof, reusable water bottles come in every color, design or theme imaginable. So if grandma can't get enough of her favorite web-slinging superhero, a reusable Spiderman water bottle will be just the thing to keep her "spidey senses" kickin'.



Sewer-Inspired Crafts - Upcycling is in, but don't be boring – expand your horizons beyond pallets! Gift something that nobody else will have and craft with **INFRASTRUCTURE**. In Chapin, approximately 600,000 gallons of wastewater is generated daily. That requires a significant amount of infrastructure — more than 6,500 miles of water distribution pipeline and 5,800 miles of sanitary sewer lines. Because they are out of sight, we often take them for granted. This holiday season, let your loved ones unwrap a pipeline-inspired planter or vase, or a pipe desk or floor lamp.

Fashionable Compost Bin - Back to the kitchen one more time where function meets fashion. A compost bin is a great way to accessorize a kitchen, and when it's right by the sink, it makes it easy for people to keep food scraps out of their pipes. How do you know if someone composts? Don't worry, you'll know. Composters love to talk about composting, don't want to hide our love of composting under the sink. It should make a statement or at least compliment the décor in a way that says, "Look at me, it's so easy to be this amazing."



Bathroom Bin - While we are on the topic of bins, let's move into one of the most important rooms in the house, the bathroom. We will be here for the last six days of Christmas, because it is just that important. This is another place where function and fashion can go hand in hand. A bathroom should always have a trash can. No exceptions. Do your friends a solid and get them one with a lid. If you have dogs or kids, you already know why, but just trust me that bathroom bins should ALWAYS have a lid. The only things that should ever go into a toilet are the 3 Ps: pee, poo, and (toilet) paper. That's it. Everything else goes in the bin. Even products like wet wipes that are labeled as "flushable" should not be flushed. Give the gift of responsible flushing. This one is for everyone.



Poop Emojis - The poop emoji is funny. It just is. And you can find it on everything from phone chargers to clothing to holiday decorations. An internet search gets thousands of results. Don't fight it. This one doesn't directly protect our water sources, but poop emojis make it easy to talk about poop, and that could lead to a conversation about wastewater treatment or the global water and sanitation crisis. So basically, poop emojis create clean water advocates. Also, this would be perfect for that co-worker who really needs to lighten up.

Dual-Flush Toilet - I wasn't kidding. We are going out with a bang on our last idea with the dual-flush toilet. I would not recommend this one as a hostess or teacher gift. This is for that special someone. Yes, it can handle Number 2, but why waste water if all you need is a Number-1- sized flush? So many people out there think, "Why do I need a new toilet when my old one works just fine?" Well, it doesn't work fine. It guzzles water and your hard-earned money that you could be using to buy socks with poop emojis on them. This one says, "You've been flushing wrong for all these years, but I still love you." Give someone the option of Number 1 this year; it gives back with every flush. So there you have it, folks. Water you waiting for? Go shop like you love water. You might just help someone make Santa's Nice List next year.

Utilities Department Contacts

Main Office (803) 345-0416

Emergency Response (803) 605-9711
(After Hours and Weekends)

Andy Metts - Director
Susan Wright – Utilities Coordinator
Theresa Hiott - Billing
Dan Lambert, PE – Town Engineer
Rey Angoluan – Inspections and Mapping
Richard Young – Water System Maintenance
Selina Sexton – Utility Locates
Russell Wright – Utilities Operations Supervisor
Eddie Gable – Lead Operator
Matt Cameron – Utilities Maint. Supervisor
Jeff Smith – Utilities Maintenance
Anthony Andrade – Public Works Supervisor
John Walston – Public Works Maintenance

UPCOMING DATES TO REMEMBER

Town Council meets the first Tuesday of each month at 7:00PM at Town Hall.

Upcoming meeting dates:

- December 6, 2018
- *January 3, 2019*
- February 5, 2019
- March 5, 2019

* Since the first Tuesday of January, 2019 falls on New Years Day, Town Council Meeting will be held on Thursday January 3.



Sunday, December 9 – Annual Town Christmas Tree Lighting. 5:00PM @ Town Hall



Tuesday, December 25 – Christmas Day (Town Hall closed Monday and Tuesday)



Tuesday, January 1, 2019 – New Years Day (Town Hall Closed)

Monday, January 21, 2019 – MLK, Jr. Day (Town Hall Closed)

Monday, February 18, 2019 – Presidents Day (Town Hall Closed)

Town of Chapin Utilities Department
157 NW Columbia Ave.
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Chapin, SC 29036



**KNOW WHAT'S BELOW!!!!
CALL BEFORE YOU DIG!!!!**



HAPPY HOLIDAYS FROM:

**THE CHAPIN UTILITIES
DEPARTMENT!!!**

The operations staff here at the Town of Chapin's Department of Public Works and Utilities would like to take a moment to wish each one of our customers and area residents a blessed and joyous Christmas Season. We also wish you a New Year filled with health, happiness and prosperity! In remembering special people during the Holiday season, we are grateful and appreciative to be able to celebrate together, the true meaning of Christmas, and the blessings that life has brought us this year. Know that we are here to serve you, our customers, with passion and determination. We will continue to strive to meet all expectations concerning your utilities service.

