



Hartstene Pointe Water – Sewer District

Newsletter

May/June 2014

Commissioners

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District Office

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General Manager/Water Manager,

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Customer Service

Account information

7:30 am - 4:00 pm

(360) 876-2545,

customer_service@wsud.us

24 Hour Emergency

(360) 876-2545

Board of Commissioners meetings are held on the 2nd & 4th Thursdays of the month at 1 PM in the District Office. All meetings are open to the public.

Hartstene Pointe Water-Sewer District is not associated with or governed by the Hartstene Pointe Maintenance Association. Please direct water-sewer service related questions to HPWSD.

Hartstene Pointe Water-Sewer District is an equal opportunity service provider.

Well 1 Rehabilitation

Over the last three years Well 1 had been experiencing a decrease in water production due to encrustation of the well screen. This can happen over the course of the life of a well due to sediment in the aquifer from which the well draws water. In order to have redundancy in the District's water supply, it is necessary to ensure that both of the District's wells are operating at a capacity that could provide water to the entire District should one of the wells need to be out of service for a short period of time.

In order to address this issue in an economical way, the District opted to attempt a rehabilitation of Well 1. The rehabilitation process was completed over a six-day period in late February/early March, and consisted of the following steps:

1. Mechanical brushing of the casing and screen.
2. Video assessment of the interior of the well.
3. Surging within the screen interval and bailing of the well.
4. Use of a de-sanding tool while pumping water within the entire well screen.
5. Monitoring of water levels during operation of the de-sanding unit to determine if specific capacity was changing.
6. Additional surging within the screen interval and bailing of the well.

During the rehabilitation it was determined that, at some point in the well's history, the well pump was improperly placed within the screen area. This contributed to the clogging of the screen and overheating of the pump motor. As a result, the pump and pump motor were found to be damaged, requiring a new submersible pump to be installed in Well 1.

Monitoring of discharge water during rehabilitation indicated the successful removal of biological based encrustations, sand, and silt/clay particles from the screen and surrounding aquifer material, improving well efficiency by decreasing friction loss as water enters the well.

Prior to the rehabilitation of Well 1, the production pumping rate was 33 gallons per minute (gpm). The post-rehabilitation pumping test indicated a rate of 55 gpm, with an increase in the specific pumping capacity of over 130%. The well rehabilitation program was successful in unclogging the aquifer surrounding the well screen and improving well performance, bringing the pumping rate back up to its original production design.



De-sanding tool being inserted into Well 1.

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Well 1 Rehabilitation (continued)

The total cost of the rehabilitation and new well pump came to \$32,590.00. The District had budgeted \$35,000 for the project.

In order to extend the life of Well 1 for as long as possible, the District will conduct regular well maintenance and monitoring to identify well performance or pump problems early on.

The full well rehabilitation report is available on the District website, hpwatersewer.com.

District to Form Rate Study Task Force

The Hartstene Pointe Water-Sewer District is recruiting rate-payers to serve on a three-member Rate Study Task Force to assess and make a recommendation to the Board of Commissioners on water and sewer rates. The District is seeking volunteers among its full-time and part-time residents. Individuals with financial backgrounds are encouraged to apply. Applications are due by June 1st and appointments will be made at the District's June 12th meeting.

The first meeting of the task force will be June 19th at 1:00pm at the District Office, with subsequent meetings taking place on the 1st and 3rd Thursdays in July, August, and September. Applications are available on the District website, www.hpwatersewer.com. You may also call the District office at (360) 427-2413 for a copy of the application.

Call the Office About Water Issues

If at any time you experience water quality issues, please inform the District by calling (360) 427-2413 or send an email to info@hpwatersewer.com. The District does not have a full-time office staff, however all voicemails will be returned within 24 hours.



Drippy the Droplet's Water-Saving Tip:

“If your shower fills a one-gallon bucket in less than 20 seconds, replace the shower-head with a water-efficient model. They’re inexpensive, easy to install, and can save up to 750 gallons per month.”

Watch for more of Drippy's tips in future newsletters and on the District website, hpwatersewer.com.

Upcoming System Flushing

During the month of May the District will be conducting water system flushing to clean sediment out of the water distribution lines. This regular maintenance activity should result in better water quality and clarity. During the system flushing, customers may experience low water pressure, temporary turbidity, and stained water. On days when flushing is taking place, it is recommended that you check your water for clarity before doing laundry to avoid staining.

The District will notify customers of when the flushing will take place via its telephone notification system and a message board placed at the entrance of the community. If you have any questions please call the District Office, (360) 427-2413 or email info@hpwatersewer.com.

Think Before You Flush



Just a friendly reminder that disposing of trash down drains and toilets can lead to sewer overflows and back-ups that can cause harm to human health and our local environment. Here are some helpful

hints to keep you out of a stinky situation.

In the kitchen, scrape grease and food scraps into the trash, not into the drain. Grease sticks to household and sewage pipes. Over time, grease build-up will block the entire pipe and result in raw sewage backing up into your home or overflowing into the street or waterway.

In the bathroom, think trash, not toilets. Flushing tissues, personal care products, hair, and other garbage down the toilet can damage your household plumbing, your environment, and your wastewater treatment system, and puts your home at risk of a sewer backup. There are many products on the market that claim to be “flushable” but disposable wipes, kitty litter, and personal products can clog sewer lines and damage pumps and other equipment. Not only are these problems expensive to fix, they can also cause raw sewage overflows into homes, and the Puget Sound. “When it comes to toilets, think it through. Only flush your pee or poo.”

Please take some time to educate your household, guests, and renters on what should and should not go into your pipes. It's your home, your community, and your earth.

Turning Water On After a Long Winter

Were you away from your home during the winter months and had your water turned off for winterization? Do you need help turning your water back on upon your return? Just call the District Office at (360) 427-2413 and we would be happy to assist you.

Reminder: The District Office does not maintain regular office hours, but voicemails will be returned within 24 hours. Call our 24 Hour Emergency Number, (360) 876-2545, if you experience problems with your service.