

Connections

March/April 2018



Odor and Corrosion Control *Providing Reliable Service Every Day – Part VI*

This series explains the work behind the scenes that keeps the sewer system operating safely and reliably every day.

The District has an active odor control program that helps reduce nuisance odors and allows the District respond to customer concerns when odors become a problem. The program has been largely successful, and the District usually receives very few odor related complaints each year.

Putting chemistry and biology to use

Sewer odors are caused by bacteria in wastewater when they consume nutrients in environments without oxygen, such as in pressure sewers. One way the District manages odor is by adding an alternative food source for bacteria. This reduces the amount of odorous gases generated and is especially effective when treating localized odor issues.

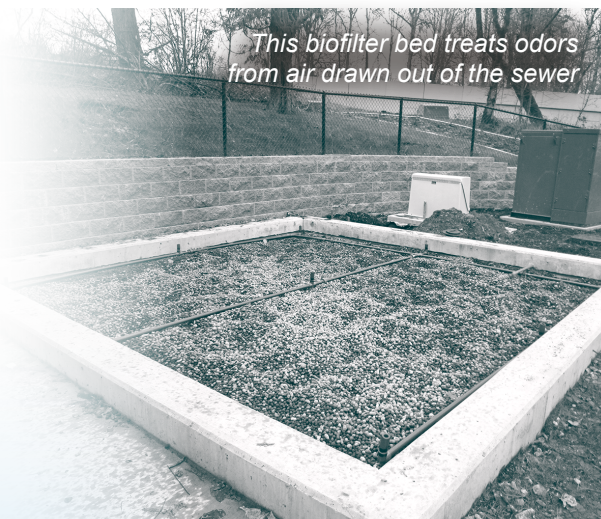
Recently, the District has implemented an especially effective odor-reduction method called biofiltration. Biofilters use fans to pull air from the sewer and push it through porous rocks covered in a thin layer of bacteria. These bacteria “eat” the gases that cause unpleasant odors in the air. These “living systems” cost less than other odor control methods, are easy to maintain, and are effective along long spans of pipe.

Odors and corrosion go hand in hand

The same processes that cause sewer odors also cause corrosion to concrete pipes and manholes. The District uses non-corrodible materials in newer pipes and manholes that are anticipated to be exposed to corrosion, such as those downstream of force mains. However, reducing gases through biofilters and additives is the most effective way to limit both odor and corrosion.

Making the most of our investments

Working to reduce odor and corrosion is good for customers’ noses and their wallets. These programs maximize the life of the system, ensuring that the District gets the best return on its investment.



This biofilter bed treats odors from air drawn out of the sewer

Smell something? Give us a call!

We can help you figure out where a smell may be coming from.

Did you know that gravity sewers generally don’t have odor issues? These pipes make up about 80% of the District’s mainline system. (That’s about 400 miles!)

Many naturally occurring odors can be mistaken as coming from the sewer. In places such as the Salmon Creek Greenway, customers might notice an earthy, organic smell during certain times of the year. These are typically odors from Salmon Creek, and are noticeable because of environmental conditions, such as temperature, pressure, or fog.

Get in touch if you experience odor issues:

(360) 750-5876



Hours of Operation

Monday-Friday
8 a.m. – 5 p.m.
Closed Weekends
& Holidays

Emergency?

Call 24/7:
360-750-5876

Commissioners

Norm Harker
Denny Kiggins
Neil Kimsey

General Manager

John M. Peterson

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General Sewer Plan

The District has been working on updating the General Sewer Plan, which provides a road map for future infrastructure investments for the next 20 years. The plan guides expansion of the system and reinvestments to best maintain the current system.

Technical work behind the General Sewer Plan update is drawing to a close and the draft plan document will be ready for review this spring. Watch the District website (crwwd.com) for an announcement about the draft and a public hearing.

The findings have been encouraging – indicating the system has adequate capacity to support community growth forecasts with modest investment over the next 20 years. Some of the key results are:

- ✓ Gravity sewers and pump stations are in great condition.
- ✓ Current operations and maintenance (O&M) practices are working well and in line with industry best practices.
- ✓ A proactive restoration and replacement (R&R) program is ensuring we stay ahead of the curve and keep our system in good shape.

Our speakers would love to join you!

No matter what your community group is focused on, from economic development to environmental health, it's likely the wastewater system touches your work. If you're interested in a presentation from one of our knowledgeable staff, please get in touch. www.crwwd.com/speaker.html

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Klineline Kids Fishing Derby

Come to the Klineline Kids Fishing Derby for a day of fun at Salmon Creek Regional Park/Klineline Pond.

Klineline Kids Fishing introduces kids to the benefits of fishing as an individual and family activity and is aimed at getting more kids outdoors, involved in fishing, and aware of our natural environment.

- **April 13: Special Needs Kids Fishing**
8 a.m. - 4 p.m.
- **April 14: Klineline Kids Fishing**
8 a.m. - 4 p.m.

Registration is open now. Find out more and register at: www.klineline-kf.org.

Event Calendar

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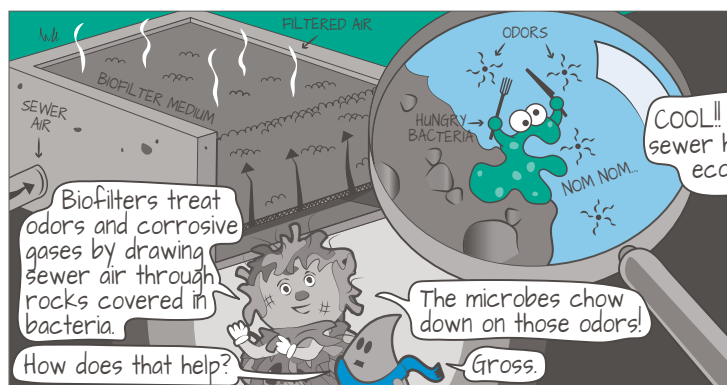
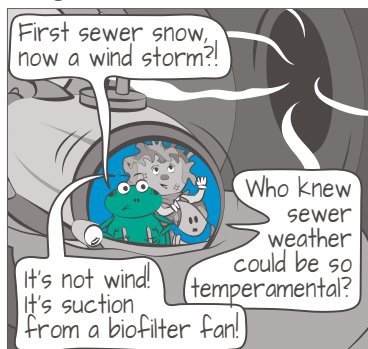
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Klineline Kids
Fishing Derby



District presentations are educational and fun!

Frog and the F.O.G.G.



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