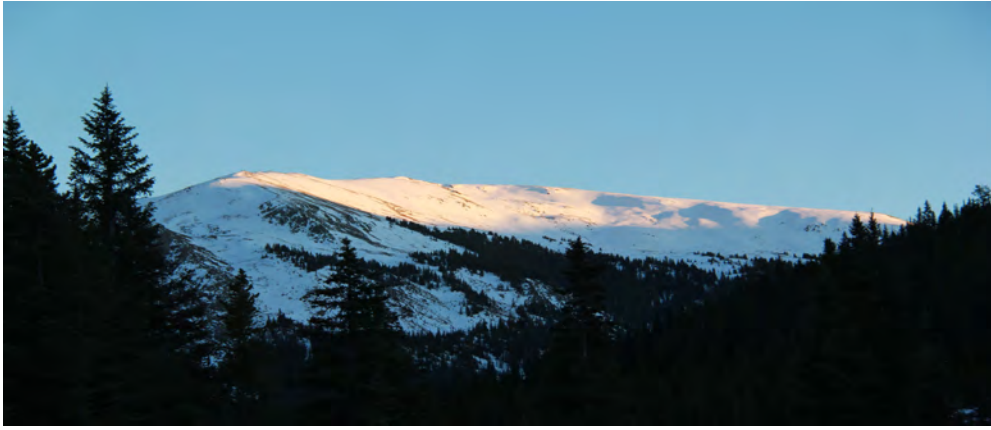




THE PIPELINE

WINTER 2023



YOUR DISTRICT AT WORK

The Board of Director's continues to work on maintaining, renovating, and repairing the sewer system and pipelines within the District. Each year defective areas in the system are evaluated and categorized by priority for improvement. In addition to needed and emergency repairs, the Board takes a proactive approach to maintenance and cleaning the lines.

The Board of Director's continues to work on maintaining, renovating and repairing the sewer system and pipelines within the District. We have identified a number of areas that we have categorized as High Priority conditions or Category 3 Repairs that need repair. Mainlines that are considered as Category 3 repairs are those that have been determined to have significant structural issues (infiltration, broken pipe, multiple fractures) which include severe offsets and or heavy root intrusions.

The District has contracted with Insituform Technologies LLC to handle all of the repairs identified in the 2023 Capital Improvements Program for the District. The project has begun in November and will continue into early 2024. This project includes repairs to the large interceptor line used jointly by the District and the College Park Water & Sanitation District. This portion of the project is funded by both Districts. Within just the NWLSD we will initially be making repairs to two (2) manholes, constructing a new manhole, making three (3) point repairs requiring excavations to replace pipe and will be lining at least 11,377' of pipe that services 177 connections. These repairs are funded by the FRSF fees that are paid quarterly by all District customers.

The lining is a special process involving the insertion of collapsed fiberglass tubes inside of the pipes. These collapsed tubes are subjected to high steam heat and pressure to inflate and cure them inside of the pipe in order to support the old pipe and essentially form a new pipe within a pipe. The is analogous to a heart surgeon inserting a stent in a patients artery.

If you have any questions about the project, please contact Steve in our office at (303) 987-0835.

NWLSD Monthly Trivia Question: How many manholes are connected to the NWLSD sewer system?

(Answer on the back of the bottom page of this newsletter)

ANNUAL RECAP AND FUTURE PLANS

The District maintains over 66 miles of pipe and has a rotating schedule for cleaning and jetting. Three Zones have been defined for the schedule:

Zone A is generally everything west of I-70 and a section between Oak Street and Urban Drive and 22nd and 32nd.

Zone B is generally everything east of Maple Grove Reservoir that is not in Zone A.

Zone C is generally everything between I-70 and Maple Grove Reservoir.

2023

Interceptor Repairs and Hot-spots in Zones A & B.

2024

Repair numerous hot-spots and jet clean in Zone C.

2025

Jet and televise Zone A.

2026

Jet Zone B.

DID YOU KNOW?

The Northwest Lakewood Sanitation District's wastewater collection system has been in existence since July of 1954.

In accordance with best practices at that time the system was constructed largely of clay pipe which has a useful life span of between 50 to 75 years.

Preventative maintenance and repair is key to the longevity of the system.

TO FLUSH OR NOT TO FLUSH

There should be **NO** question!

DO NOT FLUSH THESE ITEMS

- Paper Towels
- Cat Litter
- Cooking Oil or Grease
- Hygiene Products
- Wipes of ANY Kind

Winter Tips For A Healthy Sewage System

Winter can cause many problems to affect your sewer system, especially when temperatures fluctuate as much as we experience here in Colorado and we get asked many questions about the systems.

Can raw sewage freeze and at what temperature? Yes, it can freeze once temperatures drop to 32 degrees Fahrenheit or lower, but because the bacteria generate heat as they break down the waste and the flow of the waste is relatively constant then freezing of the raw sewage tends to be rare. However, the pipes can freeze and other non-sewage components of the system can freeze and cause problems.

If you have exposed pipes make sure that they are well insulated. This also includes domestic water, irrigation and fire suppression systems. If you have outbuildings that are not used frequently keep a minimum temperature of 60°F to keep pipes from freezing.

1. Seal off outside vents if any.
2. Have your water heater inspected by a professional plumber.
3. Keep your drains clear.
4. Have your laterals inspected regularly for tree roots to prevent blockages.
5. Be vigilant with how waste is disposed of in your home. DO NOT make common mistakes of draining grease, oils and food waste down the sink.
6. Know the signs of a Frozen or Backed up Sewer Line. As with most plumbing issues speed is of the essence in reducing damage and repair costs.

Signs of blockages typically experienced are:

- Sinks, shower, bathtub or toilet is draining slowly
- Gurgling or bubbling noises coming from the drains
- Foul, rotten egg or other odors coming from the drains
- And the worst – back-flow from the drains.

Should you experience any of these signs, contact your plumber immediately!

If you decide to try an oil solidifier reach out and let us know your thoughts. We would like to hear from you and share your experience with the rest of the community.



NWLS D Monthly Trivia Answer:
1,662.



The District's Online bill pay option saves you time and gives you more flexibility in how you pay your bills. It's fast, it's free, it's easy to sign up.

To pay your bill, access Xpress Bill Pay at www.NWLS D.us.

You can also contact the Xpress Bill Pay Customer Service department at 800-766-2350 if you need assistance with your account or payment.



NORTHWEST LAKEWOOD
SANITATION DISTRICT

www.NWLS D.us



**Know what's below.
Call before you dig.**