

An aerial photograph of the Gold Bar Wastewater Treatment Plant. The plant features several large, rectangular aeration basins in the foreground, followed by various industrial buildings and circular tanks. A yellow construction crane is visible in the middle ground. The facility is surrounded by lush green trees, and a city skyline is visible in the far distance under a blue sky with scattered clouds.

Gold Bar Wastewater Treatment Plant

A note to our neighbours

SPRING 2026 EDITION

HAPPY SPRING!

In this newsletter, we share updates on our current and upcoming projects, recent developments at our facilities, and some neighbourly advice that will help keep your drains—and the water network—running smoothly.

OUR NEIGHBOURLY ADVICE ON WHAT NOT TO FLUSH

We're continuing to share EPCOR's neighbourly advice to help the public understand the proper disposal of fats, oils, and grease. We recently kicked off our latest campaign to educate the public about what not to flush. Our newest topic is already on radios and screens across Edmonton, with more content rolling out on social media and other channels in the weeks ahead.

Why? Flushing the wrong things can block pipes in your home and the city's sewer system. To keep your home plumbing working properly, it's important to flush only toilet paper. Even wipes labeled as "flushable" don't break down like toilet paper.



These "flushable wipes" stay intact and contribute to blockages in your plumbing, so it's best to toss them in the trash. Other common household items that should always go in the garbage include cotton swabs, tissues, feminine hygiene products, dental floss and paper towels.

WHAT NOT TO FLUSH



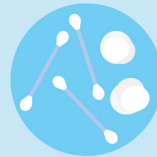
Tissues



Feminine Hygiene
Products



Disinfecting/Personal
Hygiene/ Baby Wipes



Cotton Swabs/
Cotton Balls



Dental Floss



Paper Towels



Learn more about proper disposal tips for common household items at epcor.com/ThinkBeforeYouFlush.



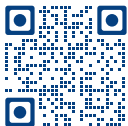
EPCOR'S LAB TEAM RECOGNIZED FOR EXCELLENCE

EPCOR's water lab team has once again demonstrated their commitment to excellence, quality and public health. The integrated lab, which includes water and wastewater testing and quality assurance, earned renewed accreditation to ISO/IEC 17025:2017.

EPCOR's water labs have maintained accreditation to this international standard for over 20 years, consistently meeting the rigorous standards for testing and calibration laboratories.

In addition to this accreditation, the microbiology lab at Rosssdale holds a federal license from the Public Health Agency of Canada. This confirms it meets national safety standards for the handling, use and safe storage of pathogens such as viruses and bacteria.

The integrated Water lab generates almost 400,000 results annually in a high-volume environment. Accuracy, reproducibility and consistency are critical — not just for compliance, but for the safety of our customers and communities.



Watch Global News' story featuring EPCOR's lab team and our water treatment processes.

GOLD BAR'S PRIMARY EFFLUENT CHANNEL UPGRADE PROJECT REALIZES BIG BENEFITS

EPCOR has reached a major milestone at Gold Bar Wastewater Treatment Plant with the completion of Phase 1 of the Primary Effluent (PE) Channel Upgrade—a project that not only tackled aging infrastructure but also realized significant benefits for our customers.

The PE channels, built in the 1970s, transport partially treated wastewater from the primary clarifiers to the bioreactors. Inspections revealed significant deterioration, and because these channels represented a single point of failure, repairs were urgent.

Originally, the plan was to use large pumps to bypass flows during construction—a costly and high-risk solution requiring pumps, hoses, and power supply near the North Saskatchewan River.



These custom-built flumes, when compared to the continuous bypass, showed to be a more reliable and efficient solution.

The team came up with a better solution: custom-built bypass flumes that kept water moving without pumps.

This innovation avoided environmental risk with less noise and fewer emissions. It also reduced the cost of the project and we completed the project six months ahead of time.

PLANNING AHEAD TO PROTECT THE ENVIRONMENT AND PUBLIC HEALTH

After nearly two years of planning, engagement, and technical review, EPCOR Water Services has secured its new 10-year Wastewater Approval to Operate from Alberta Environment and Protected areas.

This renewed approval reflects the everyday work our Wastewater Collection and Gold Bar teams do to protect public health and the environment—from the Network Operations team who monitors the system, to the Trouble team who responds to issues, to the Industrial Wastewater Investigators who respond to spills and releases, to the Operators at Gold Bar who monitor conditions at the plant 24/7.

Together, this work is the foundation that keeps our wastewater system running safely and reliably.



CURRENT/UPCOMING PROJECTS GOLD BAR

1 Security gate improvements

This project will improve overall site security and pedestrian access at the Gold Bar facility. Construction will be complete by the second quarter of 2026. No impacts to the community are anticipated.

2 Odour control improvements

This project will help us to capture odorous air from the Diversion Structure and Primary 5-8 clarifiers for treatment. Construction will be complete in the second quarter of 2027. No impacts to the community are anticipated.

3 Auxiliary control room electrical upgrades

This project will relocate electrical distribution equipment from high-risk areas to Electrical Building 1 to ensure code compliance and improve reliability. We are also constructing a new substation to support growth. This project will be completed in the third quarter of 2027.

There has been, and will continue to be, transportation of large equipment during construction until Q3 2026. While we anticipate little community impact, we will put in place traffic management plan to manage site access and communicate this in advance.

4 Flare capacity upgrade

We continue to construct improvements to the existing biogas flaring system to prevent unwanted release of biogas that isn't reused on site. Construction on one new flare stack and a new flare building is underway and scheduled to be completed this year.

5 Biogas upgrading and utilization

Through this project, we intend to use excess biogas produced by the treatment process to generate combined heat and power. This will significantly reduce biogas flaring. The project is in planning and feasibility study, and is estimated to start construction in the fourth quarter of 2027 subject to financial viability and internal approvals. A traffic management plan will be in place for movement of large equipment.



CONTACT US

Have any questions about our work, or want to sign up for our email list to get updates on our projects?

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