



Rosedale Water Treatment Plant Community Newsletter

MAY 2021



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Director, Edmonton
Water Treatment Plants

A NOTE FROM AUDREY

Happy spring! Although we are still dealing with the COVID-19 pandemic, I hope that you have the opportunity to spend lots of distanced, quality time outdoors with family and friends this spring and summer. I plan to do the same by walking through the river valley, gardening in my backyard and

perfecting my BBQ skills. All of us at EPCOR hope you and your family are keeping happy and healthy. We look forward to one day soon connecting with everyone at future community events in Rosedale.

2021 CONSTRUCTION UPDATES

We have a busy year of construction planned at the Rosedale Water Treatment Plant as well as the Rosedale and Bellamy Substations. In this newsletter, you can find more information about the following projects:

- Shared outcomes and design principles
- Low Impact Development (LID) parking lot upgrades
- Reservoir roof upgrade
- Orthophosphate addition for lead control

All of our construction projects require adherence to COVID-19 protocols, including physical distancing, mask wearing and hygiene. Generally, our construction hours are from Monday to Saturday from 7:00 a.m. to 7:00 p.m. If required, construction may occur over the weekends. Construction activities comply with the City of Edmonton's

Community Standards Bylaw for Noise Control. You may notice more company vehicles, crews and equipment near the facility and in your neighborhood.

SHARED OUTCOMES AND DESIGN PRINCIPLES

Over the past seven months, we have been talking to Indigenous Nations and communities, residents, special interest groups and others about how we operate the Rosedale Water Treatment Plant. In April 2021, we held a series of online workshops with local and Indigenous community members to discuss the set of critical goals we proposed to guide our day-to-day operations and future improvement projects at the Edmonton water treatment plants (E.L. Smith and Rosedale). We also hosted an online survey to hear from the broader community on these topics.

Thank you to everyone who provided input over the past seven months! Your input is helping us understand how we can operate the Rosedale Water Treatment Plant in a socially and environmentally responsible manner that aligns with community interests and priorities.

We want to thank everyone who took the time to respond to our survey or attend one of our workshops. We are currently working to compile and review all the feedback we received. Once we have incorporated your feedback, the final shared outcomes, design principles and public engagement framework will guide how we continue to operate and design future projects at the Rossdale site and engage with your community.

For updates on the status of this work, please visit epcor.com/sharedoutcomes.

LOW IMPACT DEVELOPMENT (LID) PARKING LOT UPGRADES

EPCOR is working to reduce the risk of flooding in Edmonton. We have identified many opportunities at our facilities to mitigate flooding through the construction of Low Impact Development (LID) features that will help protect our infrastructure. LID is a key element of the EPCOR Stormwater Integrated Resource Plan as it slows the movement of water entering the stormwater system.

LID infrastructure uses plants and engineered soils to capture stormwater runoff close to its source. EPCOR is planning to construct a bioretention basin in the main parking lot of the Rossdale Water Treatment Plant (shown in orange on the enclosed map).

The bioretention basin captures stormwater from the parking lot and surrounding area through surface inlets. An engineered soil layer holds the water helping to slow the

movement of runoff from entering the stormwater system. Specially selected plants use the water or it evaporates and any excess water drains into the stormwater system.

WHAT ARE THE BENEFITS?

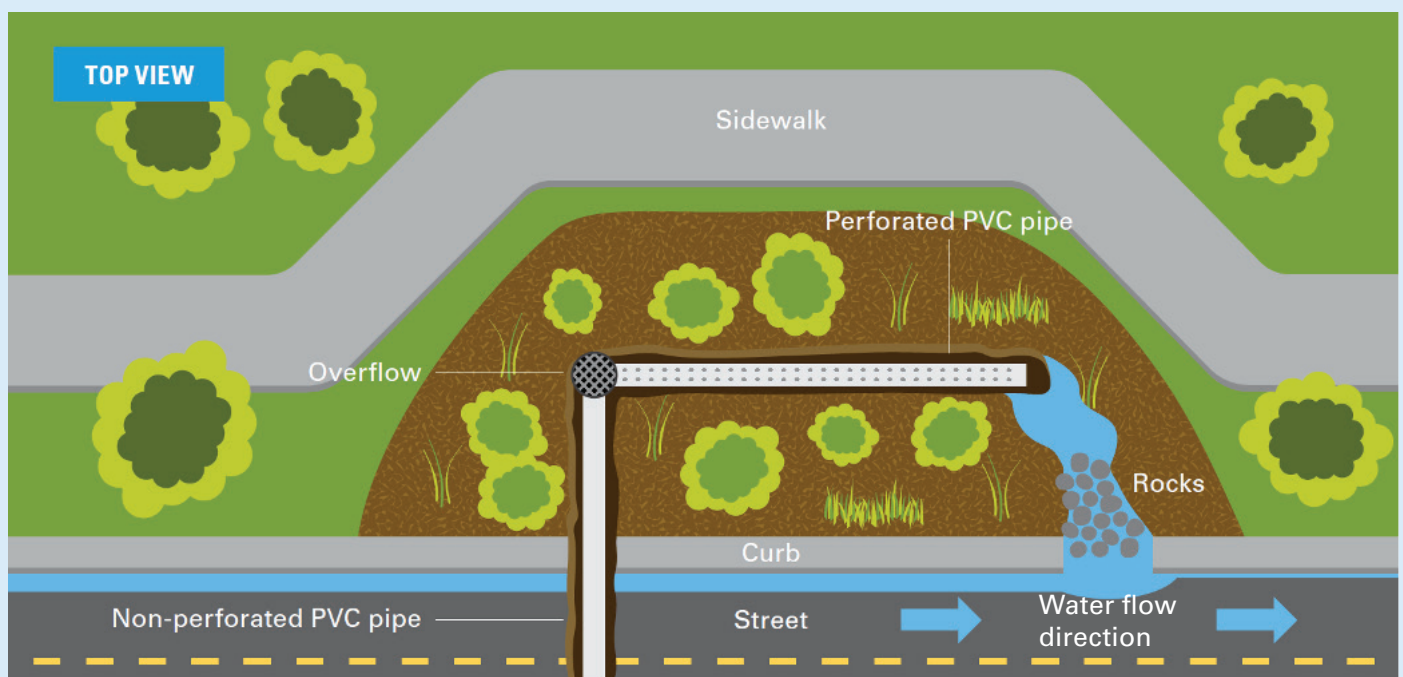
- LID helps reduce local flooding. In smaller rain events the amount of rain can be entirely absorbed by the plants and soil in the LID facility. In bigger storms, the LID facility slows the speed of the water entering the underground pipes which can help reduce flooding.
- Cleaner stormwater leads to a cleaner river. LID soils and plants filter many pollutants and stop them from entering the underground pipes.
- LID provides green spaces that can help our bees.
- The plants in LID facilities absorb carbon air pollutants and reduce the impact of heat reflecting off of paved surfaces.

This feature will help EPCOR manage and clean stormwater during rain events which will lead to a cleaner river.

Construction for this project will start in summer 2021 and go until fall of 2021, lasting approximately two months. Some seasonal work including landscaping may occur in 2022. All of the proposed work will take place within the existing fenced area of the Rossdale Water Treatment Plant.

To learn more about LID please visit our website: epcor.com/LID

EXAMPLE OF AN LID BIORETENTION GARDEN





RESERVOIR ROOF UPGRADE

In June we will start to rehabilitate one of our underground drinking water storage reservoirs at Rosssdale. This work is part of our ongoing strategy to rehabilitate and upgrade our infrastructure in order to increase the longevity of our assets. EPCOR will be installing a waterproof membrane assembly on the roof of the Rosssdale Reservoir (shown in purple on the enclosed map). This will involve excavating and removing the existing grass and soil on top of, and around, the reservoir. While preparing the roof for construction we will be using dust control practices. We will then install the waterproof membrane. The fence and sidewalk along the west side of the reservoir will be temporarily relocated during construction, and reinstalled at the end of the project. The existing fence around the reservoir will be moved

back slightly and raised on concrete blocks to secure the construction site. The soil and grass overtop of the reservoir will also be restored once construction is complete.

This reservoir rehabilitation work will take approximately four months. We will start construction in June and plan to be complete by early October 2021. The following is a list of construction activities you can expect to see in the project area.

Visual

You can expect to see activity that is typical to construction, including company/contractor vehicles and equipment along Rosssdale Road NW. There may be an increased presence of trucks and other industrial equipment in your neighborhood and at the Water Treatment Plant (listed on the following page) necessary to remove the soil on top of the reservoir, install a new reservoir roof, move the soil back on top of the reservoir and restore the grass in the area.

Noise

This project will create typical noise associated with construction. The work will involve the use of additional equipment and machinery onsite, including:

- Excavators during soil removal
- Gravel or dump trucks to move soil
- Bobcats
- Truck and vehicle traffic
- Small-scale cranes or picker trucks
- Shot-blasting and abrasive blasting equipment
- Waterproofing torches or machines

We will comply with the City of Edmonton's Community Standards Bylaw for Noise Control. If it is necessary to temporarily exceed acceptable noise levels, we will work with the City of Edmonton to obtain the necessary permits.

Worksite

All of the proposed work will take place within EPCOR's property line. The work site will be maintained in a safe and secure manner. All construction activities will be performed in accordance with the City of Edmonton's bylaws, Occupational Health and Safety requirements, as well as EPCOR's health, safety and environmental procedures and guidelines.

ORTHOPHOSPHATE ADDITION FOR LEAD CONTROL

In previous newsletters, we shared our plans to start work on a new orthophosphate system to help protect against lead present in some of Edmonton's older water services or as a result of lead components in some household plumbing fixtures.

We had to delay the project last year due to the physical distancing restrictions associated with COVID-19 and design enhancements we wanted to make to the project. The safety of our workers and the public is a priority to EPCOR.

Now that we've had the time to revisit our designs and construction practices for this specific project, we plan to start construction in late fall of 2021. This system will be retrofitted into the lower level of the High Lift Pump House, an existing building at the water treatment plant (shown in blue on the enclosed map). This area is generally concealed from residents and people recreating outside of our facility.

EPCOR has continued to make progress on other aspects of our lead management program. Visit our website at epcor.com/lead for additional information.

THE ROSSDALE WEBPAGE

Did you know that we regularly share Rosssdale facility updates, information about ongoing projects and advertise upcoming community engagement activities on our website? Check it out at epcor.com/Rosssdale. We've also been advertising engagement opportunities on our EPCOR Canada Facebook page.

 twitter.com/EPCOR

 facebook.com/EPCOR

 [@EPCOR](https://www.instagram.com/EPCOR)

We believe in listening to and engaging with participants. Community input and involvement is an important part of our decision making and we want to hear what you think about our initiatives.

LET'S TALK

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