



# **STONE CREEK REGIONAL FACILITY**

**Community Update Meeting (Zoom)**

**Wednesday, October 18, 2023 @ 6:00 pm**

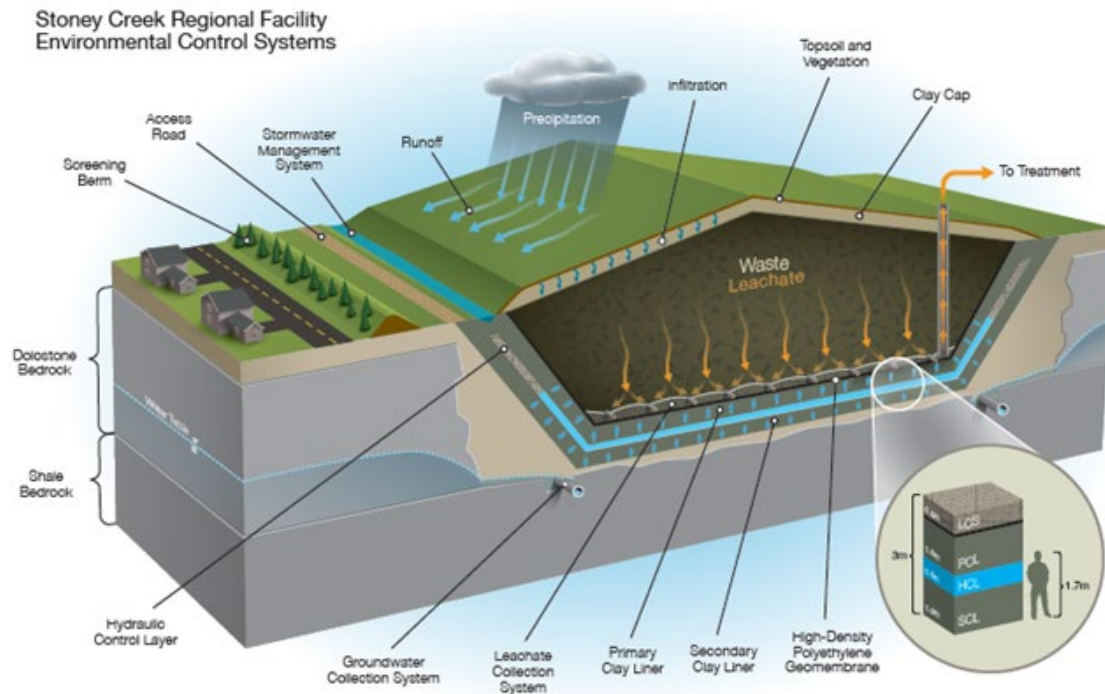
# WHAT TO EXPECT TONIGHT

1. GFL Opening Remarks
2. Background
3. Status Update
4. Community Question and Answer Period

This evening is your opportunity to ask questions.  
We ask that everyone is treated with respect.

# BACKGROUND

- The Stoney Creek Regional Facility (SCRL) constructed in 1996 receives solid, non-hazardous, commercial, institutional, and industrial waste including petroleum contaminated soils
- The Active Landfill footprint covers 59.1 ha of the 73.9 ha property and is constructed with a dual base liner system. The West Landfill (24.3 ha) is now used as green space and an off-leash dog park.



# BACKGROUND

## What materials are accepted at the SCRF?

### Permitted Materials

- Solid (non-liquid) Non-hazardous materials
- From industrial, commercial and institutional sources

### Non-Permitted Materials

- Household waste,
- Putrescible (decomposing waste)
- Generated outside of Ontario

### Types of Waste

- Steel slag and BOF (Basic Oxygen Furnace) oxides
- Contaminated soil
- Demolition waste

## What is leachate?

- Any liquid that, in the course of passing through landfill waste, extracts soluble or suspended solids, or any other component of the landfill waste through which it has passed.
- The leachate is composed mostly of water with various compounds dissolved in the water. The dissolved compounds include compounds like salts, metals (e.g., calcium, magnesium and potassium), nutrients as well as oil and grease and some phenolic compounds.

# BACKGROUND

## Issue

- Water that has accumulated in the landfill has gone septic.
- Strong odour is emitted when leachate is drawn to surface by pumping or from excessive rainfall.

Odour generating areas have been identified in three main areas:

1. Exposed saturated landfill areas
2. Holding pond area
3. Pumping station area

GFL has been working with the City and Ministry of the Environment, Conservation and Parks to address the odour issue.

This includes treating the current odour and advancing a longer-term enclosed leachate management system.

# BACKGROUND



# CORRECTIVE ACTIONS TO DATE

## July 2023

- Shut down pumping operations and began investigation of processes and technologies to address odor.
- Discussed odour issues and plan to fix the issue with MECP and City of Hamilton
- Began implementation of new treatment process to address odour at Holding Pond

## August 2023

- MECP began odour monitoring
- New odour treatment process making progress on odour, continued to monitor effectiveness and adjust process
- Placed vapour deodorizers around site to help control odour
- Continued to treat leachate in a timely manner and pumped treated leachate into the sanitary sewer.
- Trucked leachate offsite to third party process facility

## September 2023

- MECP continues odour monitoring
- Continued to monitor effectiveness of odour treatment
- Continued to pump and treat leachate and truck leachate offsite as necessary. **Treating and pumping leachate is a necessary step in reducing odour.**
- Began to develop a solution to cover the exposed leachate to mitigate odour while discharging landfill leachate

# CORRECTIVE ACTIONS TO DATE

## October 2023

- Continued drawdown (pumping) of leachate from landfill
- Covering exposed leachate areas
  - For exposed landfill areas - initially with foam and once dry with a thick layer of soil
  - For the holding pond area – initially with foam
- Chemical dosing of leachate in pond area (hydrogen peroxide, ferric chloride)
- Capturing of emissions from pumping station and directing through stack and carbon scrubber system
- Dredging of holding pond
- Continue to deploy vapour deodorizers at strategic locations around the site
- Continue to monitor odour

## Summary

- 49 million litres of leachate removed from site
- 120,000 litres of foam deployed
- 2,500 cubic metres of soil applied
- 225 cubic feet per minute of air filtered through the carbon scrubber



# ONGOING ACTIONS

## Corrective actions to address the odour issue:

- Continue to remove leachate from site
  - Drain and remove pond sediment
  - Optimize dosing of leachate in pond area (hydrogen peroxide, ferric chloride)
  - Run vapour deodorizers at strategic locations around the site
  - Continue to monitor odour
  - Communicate actions to community
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- Advance design of enclosed leachate management system

# COMMUNICATIONS PLAN

Goal: to provide timely and transparent information to the Stoney Creek community regarding measures taken to mitigate the odour issues and to provide opportunity to answer questions

- Weekly Online Community Updates: Includes a description of the activities GFL has performed in the previous week to address the odour issues
- Monthly Virtual Community Update Meetings: Provide an update to the community on activities related to mitigation of the odour issues and respond to questions from residents.
- CLC Quarterly Online Meetings

The Weekly Online Community Updates and Monthly Virtual Community Update Meetings will continue until the odour issues have been deemed resolved

# CONTACTING GFL

If residents have questions about the SCRF or wish to log a complaint, please contact the facility at 905-561-0305 or fill out the form on the GFL CLC website: <https://gflclc.org/contact>

Residents may also report a complaint directly to the MECP:

- Online incident reporting: <https://report-pollution.ene.gov.on.ca>
- Toll-free, 24/7 hotline: 1-866-MOE-TIPS (663-8477)

GFL investigates and responds to all complaints

Complaints are provided to the MECP, reported quarterly at CLC meetings, and documented in the Annual Report (<http://gflstoneycreek.com/document-library>)

# COMMUNITY QUESTION & ANSWER SESSION

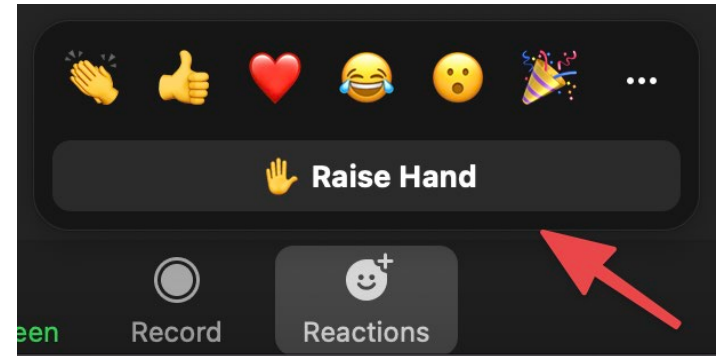
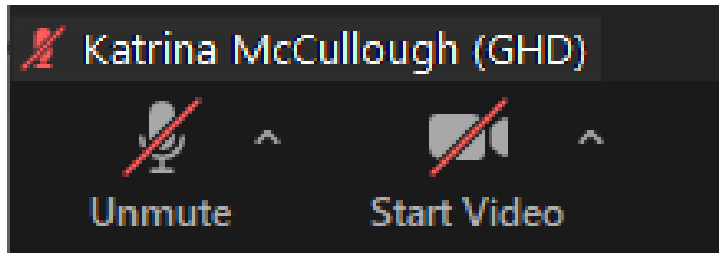
Please raise your hand if you would like to ask a question. When its your turn, you'll be able to unmute yourself and turn on your camera.

If calling in, press \*9 to raise your hand and \*6 to unmute

Upcoming Community Update Meetings:

- Thursday, November 16, 2023 @ 6:00 – 7:00 pm
- Thursday, December 14, 2023 @ 6:00 – 7:00 pm

To attend, follow the registration links on the GFL website [www.gflstoneycreek.com](http://www.gflstoneycreek.com).





**THANK YOU**



[gflenv.com](http://gflenv.com)