



STONE CREEK REGIONAL FACILITY

Community Update Meeting (Zoom)

Thursday, December 14, 2023 @ 6:00 pm

WHAT TO EXPECT TONIGHT

1. GFL Opening Remarks
 - November Feedback
2. Background
3. Corrective Actions
4. Community Question and Answer Period

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

COMMUNICATION 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**

- *Purpose: provide a description of the activities GFL has performed in the previous week to address the odour issues*

- **Monthly Virtual Community Update Meetings**

- *Purpose: 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** - Monday March 4th, 2024 @ 6:00 pm

- *Mandate: provide forum to raise concerns and discuss mitigation measures and to disseminate, review and exchange information about the SCRF*
- To register, contact Kim Bailey – kimberley.bailey@gflenv.com
- Refer to [CLC Operating Guidelines](#) for delegation/participation process

NOVEMBER FEEDBACK

What We Heard	Response and Resulting Action
You wanted an independent health assessment	As a requirement of our EA/ECA, a health assessment is completed annually by an independent third party (Instrinsic) and the results are summarized in our annual report, which we will post.
You want access to air quality monitoring data and reports	We will post these on our web-site when results are available.
You wanted better access to information, transparency on site activities and future plans	We will post progress on these along with preliminary /conceptual design of system once approved in concept with the City/MECP GFL initiated face-to-face meetings with residents to communicate activities
Is GFL's leadership aware of the situation	GFL leadership is fully aware of the odour issue and how we are treating it and communicating with the community. GFL leadership has gone door-to-door to answer questions from the community.

NOVEMBER FEEDBACK

GFL Take-Aways	Response
Advise on whether we could share recording of meetings or move to hybrid meetings?	In GFL's experience, hybrid is not as successful to give opportunity for all community residents to participate. We will post slide decks online that summarize feedback received and resulting actions
Advise on whether GFL will financially compensate residents	At this time no decision has been made.
Advise on whether GFL will seek an expansion	We currently don't have any plans to expand. But in the future, there would be plenty of opportunity to participate in the EA process
Requested clarification on plans to reduce the height of the landfill, waste movement process and potential for odour.	GFL is planning accordingly to ensure no impact to the community regarding odour. We will provide updates to the community on our web-site

CORRECTIVE ACTIONS

November 2023

- Resumed discharge of leachate to sanitary sewer
- Activated aeration system in holding pond
- Installed new carbon scrubber system at ILPS
- Continue to deploy vapour deodorizers at strategic locations around the site
- Develop fenceline air monitoring program
- Continue to monitor odour

December 2023 to date

- Continue to monitor effectiveness of odour treatment and continue monitoring
- Removed two out of the four deodorizers
- Pre-consulting City and MECP on design of new leachate treatment facility

All odour treatment systems are performing effectively. Pumping continues to reduce leachate levels in landfill.

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)

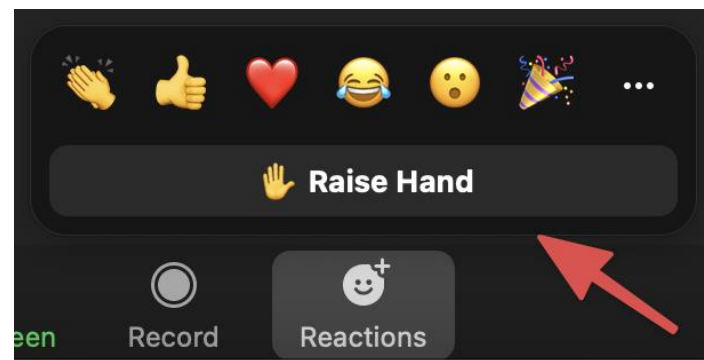
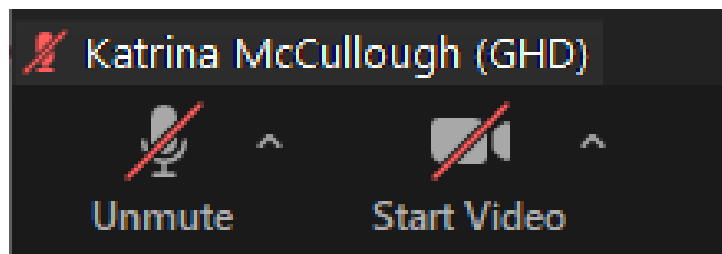
GFL investigates and responds to all complaints

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





THANK YOU



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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.

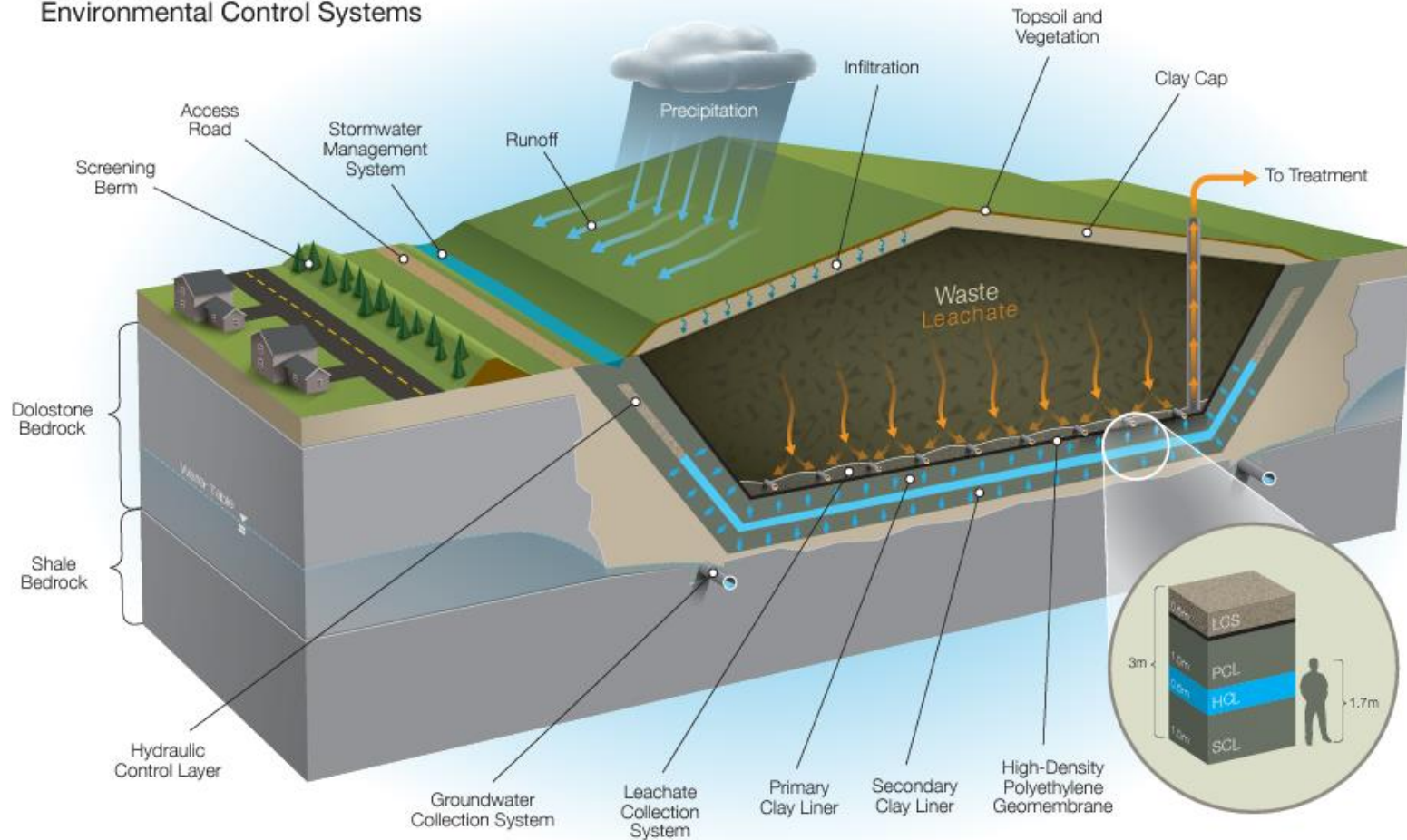
This includes treating the current odour and advancing a longer-term enclosed leachate management system.

BACKGROUND



BACKGROUND

Stoney Creek Regional Facility Environmental Control Systems



GFL STONEY CREEK REGIONAL FACILITY

Engineered Liner System



- ▶ **1. THE LEACHATE COLLECTION SYSTEM**
A 0.35 m (1.15ft) layer of 19 mm clear stone, 0.15 m (0.5 ft) of Granular 'A' and a network of 200 mm diameter perforated HDPE pipe to collect leachate from within the site. The collected leachate is discharged to an appropriate licenced treatment facility.
 - ▶ **2. THE SYNTHETIC LINER**
A continuous 80 mil high-density polyethylene membrane with welded seams.
 - ▶ **3. THE PRIMARY CLAY LINER**
A 1m (3.3ft) layer of recompacted clay that meets rigorous density and moisture requirements.
 - ▶ **4. THE HYDRAULIC CONTROL LAYER**
A 0.5m (1.65 ft) layer of 50mm (2") clear stone. Once landfilling is complete, the Hydraulic Control Layer is filled with water to maintain hydraulic pressure outside the site, forcing water to flow toward the landfill and ensuring no discharges to the environment.
 - ▶ **5. THE SECONDARY CLAY LINER**
A 1m (3.3 ft) layer of recompacted clay that meets rigorous density and moisture requirements.
 - ▶ **6. THE GROUNDWATER COLLECTION SYSTEM (Not Shown)**
A series of trenches filled with crushed stone beneath the site to facilitate groundwater pumping.
- THE FINAL COVER SYSTEM (Not Shown)**
Once complete, the site will have a cap consisting of 0.6 m (1.97 ft) of recompacted clay and 0.15 m (0.5 ft) of vegetated topsoil.

CORRECTIVE ACTIONS

July 2023

- Shut down pumping operations and began investigation of processes and technologies to address odour
- 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 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