

March 5, 2018

Gas Remediation at 30 Northline Road

Contract #: 17ECS-MI-02SW

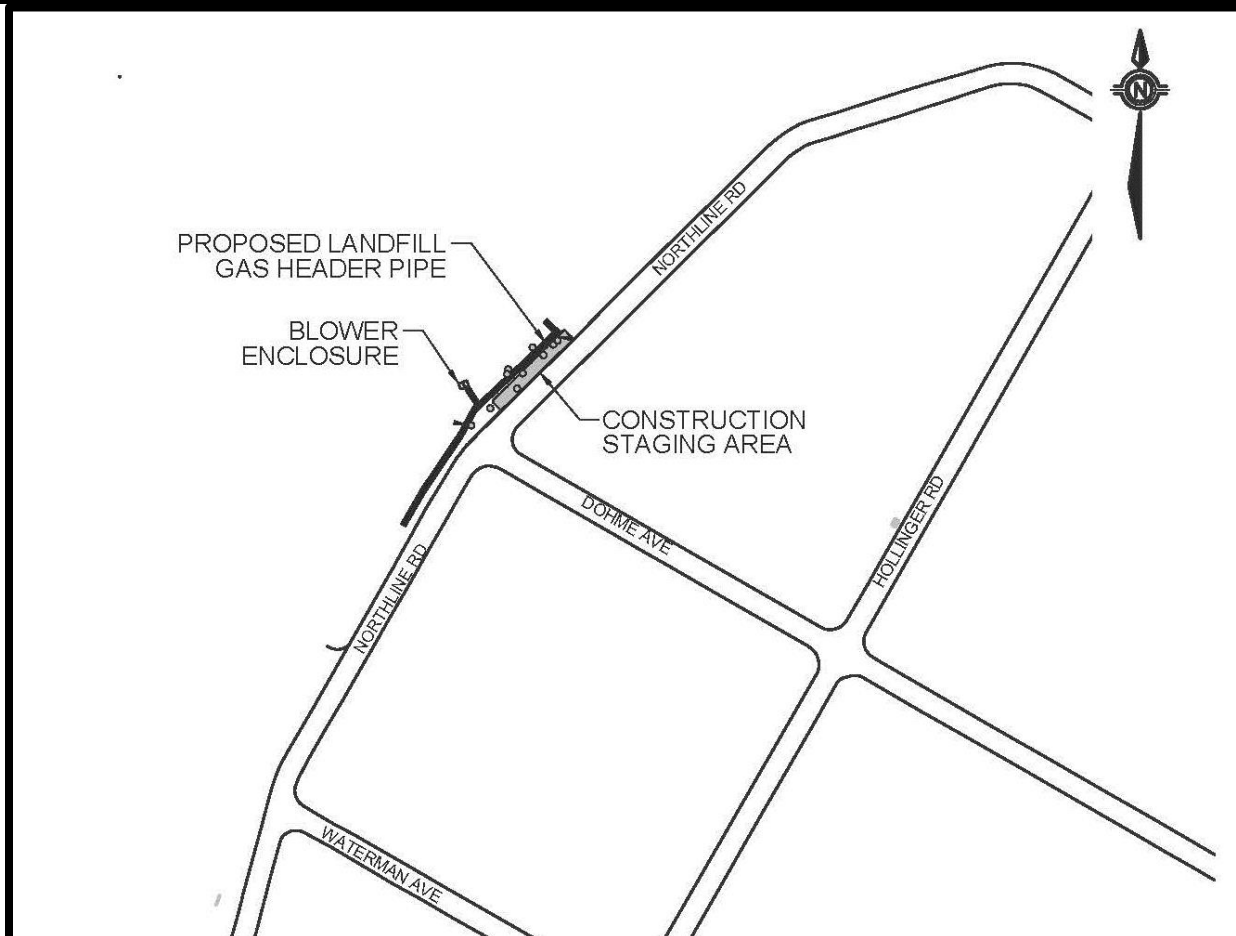
Start Date: March 12, 2018

Expected End Date: August 30, 2018

**Weather permitting, timeline is subject to change.*








The City of Toronto will be completing work at a closed historical landfill site near 30 Northline Road. This work involves installing active venting systems to release below-ground gas into the atmosphere and will also include installing piping and blower enclosure sheds. The venting system will reduce the risks associated with landfill gas. As waste breaks down inside the landfill it produces gases made up of mostly methane and carbon dioxide. The active venting system will collect and control low concentrations of landfill gas, to release through a pipe in the top of the shed located at Northline Road and Dohme Avenue. Landfill gases do not pose a health risk when released to the atmosphere, in an open area, as in a venting system. The management and controlled release of landfill gas mitigates and helps prevent methane from accumulating in an enclosed space.

MAP OF WORK AREA



WHAT TO EXPECT DURING CONSTRUCTION

- You may experience dust, noise and other inconveniences. The City will make efforts to reduce the impacts. We appreciate your patience.
- The City will not be responsible for damage to any privately owned items on City property.

	<p>Work Hours: Work will take place from 7:00 am to 7:00 pm., Monday to Friday, with work after hours and on weekends as required.</p>
	<p>Road and Sidewalk Access: In order to complete the work in a safe manner, there will be partial or full road and sidewalk closures within the construction work zone. Access for emergency vehicles will be maintained at all times.</p> <p>Driveway Access: The contractor will notify you of any temporary restrictions to your driveway access. If your property has two entrances, one entrance will be kept open at all times.</p>
	<p>Traffic Management: Efforts have been made to manage traffic in the area for the safety of workers, road users and residents. No significant delays are expected during construction.</p>
	<p>Parking: Parking in the active work zone is not permitted due to space requirements for construction equipment and materials. If your parked vehicle affects the construction work, it will be re-located with no charge to the owner. If your vehicle is moved, please contact parking control for its location at 416-808-2222.</p> <p><i>In the event you receive a traffic ticket for on-street parking during this period of construction, you may choose to dispute your ticket at one of the locations listed on the reverse side of the parking infraction notice. You may use this notice as part of your defence for parking consideration during construction; however, the Project Manager does not have the authority to cancel any parking tickets.</i></p>
	<p>Tree Removal: During construction 9 trees will be removed from City property. The City is working with its Urban Forestry department to organize replanting and relocating established trees, to minimize impacts as much as possible.</p>
	<p>Restoration: The construction work area will be restored with sod and/or asphalt where required in future stages of the work. Updates will be provided.</p>
	<p>Accessible Accommodation: Properties who require accommodation (level entry, longer notice, etc.) must contact the City to arrange for access during the construction period.</p>

NEED MORE INFORMATION?

Please visit our website for further information and an FAQ about the project. If you have questions about the upcoming work, please contact us.

<p>Project Contact Alexa Aiken, Public Consultation Coordinator Alexa.Aiken@toronto.ca 416-338-2859</p>	<p>Site Work Andrew Heit, Senior Engineer Andrew.Heit@toronto.ca 416-392-4598</p>
<p>TTY Hearing Impaired Service</p>	<p>416-338-0889 (7 Days/week, 8:00am – 5:00pm, closed holidays)</p>
<p>General inquiries</p>	<p>311</p>
<p>Website</p>	<p>toronto.ca/improvements/ward31.htm</p>

**Thank you for your patience. Building a great city takes time.
 Better infrastructure for all of us is worth the wait.**

Landfill Gas Remediation Frequently Asked Questions

What are closed historical landfill sites?

There are over 160 closed historical landfills located across the City of Toronto that were closed more than 40 years ago. At present, the City of Toronto's Solid Waste Management Services Division is responsible for the post-closure maintenance of these inactive landfill sites.

What type of waste is in the closed landfill sites?

Closed landfills contain mostly municipal waste, construction waste, ash, and soil.

What is landfill gas and how does it move at closed landfill sites?

As waste breaks down inside the landfill it produces gases. Landfill gas is mostly made up of methane and carbon dioxide, with trace amounts of sulfides and non-methane organic compounds. The gas produced in the ground travels up and/or sideways through pores in the soil and is released to the air where it is diluted with fresh air. The amount of gas produced by closed landfill decreases over time.

How is landfill gas measured and monitored?

Landfill gas monitoring is accomplished using soil gas probes, which are small plastic pipes embedded in the soil. Probes are installed in the soil at various depths, usually anywhere from 5 to 20 meters deep, depending on conditions encountered. Closed landfill operations field staff use the probes to monitor below-ground soil gases using specialized instruments that connect to the probes. Probes are monitored a minimum of twelve (12) times per year (once per month). The City has been periodically monitoring probes at the closed Northline Landfill from 2005 to the present.

Can landfill gas affect health?

Methane and carbon dioxide, the two main components of landfill gas, are colourless, odourless and non-toxic. There is no health effect in venting these to the atmosphere. In very rare cases landfill gases migrate into basements and crawlspaces where, in extreme cases, displacement of oxygen could lead to temporary reduced coordination, fatigue, and nausea. Other landfill gas components are present in trace amounts and are unlikely to be associated with adverse health effects.

Are there risks from landfill gases? How are they being addressed?

The City of Toronto's Solid Waste Division monitors closed landfills. When warranted, the City implements mitigation measures such as gas venting to provide a preferential pathway for the gasses. The biggest concern associated with methane is its ability to accumulate in enclosed spaces and pose an explosion risk at certain concentrations.

How does the Active Venting System release gas?

Gas is released constantly from the surface of the closed landfill. Landfill gases can accumulate underground in the body of the waste and in soils near the waste. The Active Venting Systems will facilitate the collection and controlled release of landfill gas. Low concentrations of landfill gas will be collected through a fan and released through a pipe at the top of sheds located on the Waste Management Facility.

What approvals were obtained for this project?

The air and noise emissions anticipated from the projects went through detailed technical reviews by the Ontario Ministry of Environment and Climate Change (MOECC). The MOECC issued an approval for the projects, with conditions for the operation and maintenance of the equipment.

Will there be noise?

A small fan will run within each blower enclosure shed to collect the landfill gas and ventilate each shed.

Will there be odours from the landfill gas venting?

Odours are not expected and have not been encountered at similar sites operated by the City.

What happens to trees removed for this work?

To undertake construction and installation of the Active Venting Systems, 9 tree removals are required. The City is working with its Urban Forestry department to organize replanting and relocating established trees, to minimize impacts as much as possible.

For more information on Toronto's Solid Waste Management Services visit: www.toronto.ca/garbage