



Air Quality Factsheet

- Port Credit West Village Partners is undertaking a comprehensive remediation program, which started in January 2018 on the former Texaco refinery site located at 70 Mississauga Road South, Mississauga (Property). A remediation program involves bringing contaminated areas to safe levels, removing and disposing of contaminated soils, and conducting a groundwater monitoring program. The program is expected to be completed by mid-2019.
- The site of the former Texaco refinery was used for industrial purposes dating back to the late 1800s as a brick quarry, and as an oil refinery from the 1930s until the 1980s. The Property was decommissioned in the late 1980s and has been vacant for almost 30 years.
- Historical land use left contaminated soils and groundwater. The contaminants found on the site are typical of former oil refinery or gas station properties, and include petroleum hydrocarbons and related compounds (including benzene).
- A remediation program was established to bring the Property soil and groundwater to a standard that complies with stringent provincial (Ministry of Environment, Conservation and Parks, "MECP") regulations and best practices for residential use.
- Air monitoring has been set up to measure specific compounds and their concentrations (including petroleum hydrocarbons and benzene) and compare those concentrations to exposure limits proposed by PCWVP that were agreed to with the Ministry of the Environment, Conservation and Parks. An ambient (outdoor) air monitoring protocol is being conducted by an independent environmental consultant and includes the following: a) real-time monitoring of benzene throughout the workday, b) longer term air sampling for a comprehensive list of potential air pollutants at the Property boundaries and c) periodic screening within the residential neighborhood (results of which are available at the following link: <https://portcreditwestvillage.stanport.com/>).
- Results of air monitoring to date shows levels that are not harmful to residents' health.
- The continuous air monitoring allows remediation work to be adjusted to ensure that there should be no concentrations impacting health. If concentrations approach the project specific exposure limits, corrective measures to mitigate the situation are planned and the Ministry of the Environment, Conservation and Parks will be informed by the independent consultant or PCWVP. The MECP reviews the results of the air monitoring program.
- The movement of soils can cause certain contaminants to partition into the air. Some may be odorous, others may not be odorous but may be harmful to health at certain concentrations and exposure periods. Odours do not necessarily suggest health impacts. The following measures were put in place to manage odours: a) Construction of clean topsoil berms where possible near Property boundaries to prevent wind from dispersing odours towards residential areas, b) Use of a [non-hazardous odour-suppressing foam](#) on soils with significant odour, resulting in a thin film on the soils preventing odours from escaping, c) Management of soils towards the interior of the site to allow odours to disperse before reaching residents, and d) Monitoring of weather patterns and wind directions in scheduling site activities that may cause odours.

Questions, Concerns?

If you have additional questions or concerns regarding the remediation program, please contact Monisha Nandi, Environmental Director, Kilmer Brownfield Management (on behalf of Port Credit West Village Partners) **mnandi@kilmergroup.com, (416) 815-4978.**

The following organizations and individuals can also be contacted:

Chris Cushing, Project Manager, P.Geo. and Qualified Person, Stantec (independent environmental consultant)

Chris.Cushing@stantec.com, (905) 381-3267

Duty Officer, Ministry of Environment, Conservation and Park, Halton-Peel District, 905-319-8292

Franca Ursitti, Region of Peel – Public Health, 905-799-7800 ext. 2712