



Green Lane Landfill (2017)

APPROVED SITE AREA

- 129.7 hectares total
- 71.2 hectares approved for landfilling

OPERATIONS

- Approved to accept solid, non-hazardous waste generated within Ontario
- Operation, maintenance & construction are currently contracted to CRA Landfill Operations Limited
- Engineering support, monitoring & construction design services are currently contracted to WSP Canada Inc.
- City staff at facility manage contracts including compliance and community relations

CURRENT WASTE QUANTITIES

- 495,132 tonnes of wastes landfilled in 2017
- Of that, 438,511 tonnes were from Toronto's transfer stations

APPROVED CAPACITY

- Remaining approved capacity is approximately **9,428,768 m³** based on 2017 year-end air space utilization survey (exclusive of settlement in active areas)
- 2017 compaction rate was **0.944 tonnes/m³**

PROJECTED OPERATING LIFE

- 2040 projected year of closure



INTERESTING FACTS

- Underdrain leachate collection system in each Stage includes installation of:
 - **30,000 m²** of geotextile filter fabric
 - **5,000 m³** of clear stone drainage layer
 - **300 m** of collection pipe
 - **90 m** of header pipe
 - Manholes and cleanouts
- Landfill gas collection system is advanced each year, at end of 2017 includes:
 - **167** vertical extraction wells
 - **62** horizontal collection trenches = **13,880 m** total
 - **7,475 m** subheader pipe
 - **2,690 m** header pipe
 - **80%** of developed Site area contains gas collection infrastructure
- Flare Compound
 - Flare 1 (2004), Flare 2 (2011), Flare 3 (2017) = 10,400 cfm capacity
- Leachate Treatment Plant
 - **2002**, modular expansion in 2011
 - **300 m³/day** processing capacity
 - **71,711 m³** of leachate treated in 2017
- Environmental monitoring of groundwater quality, surface water/stormwater quality and air quality confirm there have not been any adverse impacts to the environment due to landfilling activities