



Conestoga-Rovers & Associates Project Summary

KEY PROJECT ELEMENTS

- Landfill Gas Collection
- Landfill Gas Utilization
- Design
- Construction Oversight
- Ongoing Monitoring
- Operations Support

EASTVIEW ROAD LANDFILL SITE GUELPH, ONTARIO



CLIENT: EASTVIEW ROAD LANDFILL SITE
DURATION: 2002 TO PRESENT
COST: >\$1 MILLION

The Eastview Road Landfill (Site) is located in Guelph, Ontario. The site is located on the northeastern boundary of the City of Guelph (City) and comprises a total area of approximately 81 hectares. The site is owned and was operated continuously by the City since its opening in 1961. The site was closed and capped when it reached its approved final contours in 2003.

In 2002, CRA was retained by the City to perform a technical needs assessment for the site and subsequent design of a landfill gas (LFG) control system (collection and flare system). Following the technical needs assessment, CRA, on behalf of the City, submitted a successful application to sell emission reductions to Environment Canada in accordance with the Pilot Emission Removals, Reductions and Learnings (PERRL) Initiative. Enabled by this funding support, the City retained CRA to design and provide construction oversight for the landfill gas control system.

The City of Guelph and Guelph Hydro Inc. (GHI), a wholly-owned corporation of the City, developed an innovative public-private sector venture to utilize the LFG for an electrical power generation project at the site. CRA was responsible for the design and construction management services for the power plant. CRA also provides support for the operation of the facility and landfill gas collection field. The plant consists of three 925-kWe reciprocating engine generator sets, control panels, a gas handling system, utility interconnection, a building, and supervisory control and data acquisition (SCADA) system.

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