



Conestoga-Rovers & Associates Project Summary

KEY PROJECT ELEMENTS

- **Air Emissions Assessment**
- **Environmental Reporting**
- **Greenhouse Gas Emissions Assessment and Inventory**

EMISSIONS INVENTORY AND GHG REPORTING ONTARIO

Ontario Regulation 127 and the National Pollutant Release Inventory (NPRI) require the annual reporting of GHG emissions from medium to large manufacturing facilities. CRA completes federally and provincially mandated emissions reports annually for approximately 100 clients in Canada. Our clients include private corporations in various sectors, such as building materials, automotive, food and beverage, pharmaceutical, and organic chemicals. We also provide service to municipalities and waste management facilities.

Annual emission reporting includes an assessment of each facility's GHG emissions and, where the GHG emissions exceed federal reporting thresholds, reporting of the emissions to Environment Canada. GHG emissions are calculated in accordance with national and international protocols and guidelines using a combination of source testing results, mass balance and stoichiometric calculations, engineering estimates, and published emission factors specific to the processes in question. Greenhouse gas emissions are calculated for the primary greenhouse gases, including carbon dioxide (CO₂), methane (CH₄), sulfur hexafluoride (SF₆), nitrous oxide (N₂O), perfluorocarbons (PFC), and hydrofluorocarbons (HFCs).

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