Conestoga-Rovers & Associates

Project Summary

SOURCE SEPARATED ORGANICS PROCESSING FACILITY

LONDON, ONTARIO

KEY PROJECT ELEMENTS

- **Source Separated Organic**
- **Facility Permitting/ Certificates of Approval**
- **Odour and Noise Studies**
- **Facility Design**
- **Construction Inspection**
- **Facility Commissioning**
- **Regulatory Reporting**

CLIENT: ORGAWORLD CANADA LTD.
DURATION: 2005 - ONGOING
COST: CONFIDENTIAL

The London Source Separated Organics (SSO) Processing Facility (Facility) is located in London, Ontario. CRA began design and permitting of the facility in early 2005, and construction of the 150,000-tonne/year SSO composting facility began in November 2006. The facility began operation in June 2007 (initial capacity of 40,000 tonnes/year) and completed expansion to its ultimate 150,000 tonnes/year capacity in December 2008. This is currently the largest approved organics processing facility in Ontario.

CRA performed the following services for the design, permitting, and construction of the SSO Facility:

- Geotechnical and subsurface investigation and characterization studies to derive physical design parameters and to establish basic foundation design
- Site servicing, including site plan layout, traffic management, and utility connections, i.e., electrical supply, potable water, fire system water, and sanitary servicing via a septic system
- Stormwater management system design including site grading, stormwater detention systems, and additional systems to ensure effluent quality for discharge to an adjacent creek
- Odour and noise studies, dispersion modelling, and ongoing source testing and fugitive emissions monitoring for the centralized stack emission, the diffuse compost storage area, and the diffuse leaf and yard waste storage area
- Building design including structural, civil, mechanical, electrical, building envelope, and HVAC components (all internal systems required for the operation of the facility, including all considerations for connection of the building systems to the utilities network)
- Design of the basic composting technology components according to a vendor-supplied process design, including interface and connection of internal processing equipment to the site utility servicing
- Construction inspection throughout the entire building process
- Supervision of commissioning process
- Preparation and submission of environmental permit applications, including Ministry of the Environment Certificates of Approval for Waste Disposal, Air, and Industrial Sewage Works
- Preparation and submission of all municipal permits, including confirmation of zoning, site plan approval, and building permit submission
- Annual reporting to the Ministry of the Environment

GENERAL INQUIRIES:
info@CRAworld.com

WEB SITE:
www.CRAworld.com

2000 / 2020 / 395 / 00 / 07.09