



Conestoga-Rovers & Associates **Project Summary**

KEY PROJECT ELEMENTS

- **Environmental Assessment**
- **Public Consultation**
- **Human Health Risk Assessment**
- **Record of Consultation**
- **Certificates of Approval for Air, Noise, and Waste Processing**

LIBERTY ENERGY RESOURCES INC. ENVIRONMENTAL ASSESSMENT HAMILTON, ONTARIO



CLIENT: LIBERTY ENERGY RESOURCES INC.
DURATION: 2005 TO PRESENT
COST: \$200,000

Liberty Energy Resources Inc. (Liberty) of Bakersfield, California, is proposing to establish a 10 MW electrical generation facility in Hamilton, Ontario. The facility will be fuelled by biosolids (sewage sludge) and difficult-to-compost waste biomass (e.g., wood waste). An environmental screening was completed for the facility in 2005 under Ontario Regulation 116/01.

In the spring of 2006, CRA was engaged by Liberty to provide technical, environmental assessment, and public consultation advice concerning eleven requests for a Part II Order under the Environmental Assessment Act elevating the project to an individual environmental assessment. In response to a requirement from the MOE Environmental Assessment and Approvals Branch for additional information, CRA prepared a Human Health Risk Assessment and a Record of Consultation, two of seven additional information study reports totaling more than 2,100 pages.

In June of 2007, the MOE declared that the Liberty Energy Centre was no longer subject to Ontario Regulation 116/01 and was instead subject to a new waste regulation, Ontario Regulation 101/07, which had been promulgated in March of 2007. The necessary Environmental Screening process was completed in February 2008. CRA has also completed Applications for Certificates of Approval (C of A) for both air and noise emissions and waste processing. The following tasks were completed in support of the environmental screening and C of A Applications:

- Preparation of an air emissions inventory
- USEPA AERMOD air dispersion modelling
- Preparation of a human health risk assessment (HHRA)
- Preparation of Certificate of Approval (Air and Noise) and Certificate of Approval (Waste) applications
- Completion of a site-wide acoustic assessment
- Odour sampling, analysis, and dispersion modelling
- Building ventilation design and heat load calculations

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