



# Land and Property – Developer Services



WORLDWIDE ENGINEERING, ENVIRONMENTAL, CONSTRUCTION, AND IT SERVICES



**CONESTOGA-ROVERS**  
& ASSOCIATES (EUROPE) LTD

# Conestoga-Rovers & Associates (Europe) Ltd

Conestoga-Rovers & Associates (CRA) is an independent environmental consulting firm providing specialist services in Property and Land, Environmental Management and Industrial Operations Support.

The CRA Europe team is headquartered in Nottingham with offices in Warwick and the North West from where services are delivered to clients in the UK and Europe. Part of the Canadian-based CRA Family, the European operations can call on over 2,500 technical staff in all relevant environmental science, engineering, construction, management and IT disciplines.

## Land and Property Services

CRA has been at the forefront of full-service environmental firms for three decades. From supporting clients in assessing the environmental impacts of properties during acquisition and divestiture to full site investigation and remediation solutions, CRA has a worldwide reputation.

CRA first tackled complex environmental issues in the late 1970s and initially established itself in this market with its leadership role in the "Love Canal" Superfund cleanup project in Niagara Falls, New York (considered by many in the field to be the birthplace of modern environmental regulations). The firm has excelled at identifying technically and environmentally responsive solutions in a cost-effective manner.

CRA takes a focused solution-oriented approach to every environmental project rather than a study-based approach. By focusing on the end goal of the project, the scope of investigative programmes can be effectively developed to provide the specific information required for risk-based decision-making. This may mean implementing investigative programmes in phases or collecting additional data in an investigative phase that would be important for screening potentially appropriate remedial solutions early.

CRA's land and property services include:

- *Due diligence and compliance auditing*
- *Geotechnical site investigation and geotechnical design*
- *Environmental investigation*
- *Environmental risk assessment and risk management*
- *PPC site reports*
- *Brownfield redevelopment*
- *Remediation strategies, plans and implementation*
- *Liability risk transfer*
- *Corporate risk management*
- *Asbestos surveys and management plans*
- *Acquisition and divestiture assistance*
- *Options appraisals and cost assessment*
- *Regulatory assistance and planning support*
- *Ecological appraisals*



**Offices in:** Atlanta, Austin, Baton Rouge, Belo Horizonte, Boston, Buenos Aires, Buffalo, Belém, Calgary, Cape Canaveral, Charles City, Charlotte, Charlottetown, Chicago, Cincinnati, Dallas, Denver, Detroit, Edison, Emeryville, Eureka, Everett, Fort Lauderdale, Fort Myers, Fredericton, Grand Forks, Green Bay, Halifax, Hilton Head, Houston, Indianapolis, Irvine, Kalamazoo, Kingston, Lansing, Lawrence, London, Manaus, Midland, Monterrey, Montréal, Nashville, Niagara Falls, Nottingham, Oklahoma City, Omaha, Ottawa, Owen Sound, Peterborough, Philadelphia, Phoenix, Pittsburgh, Plainville, Québec City, Rimouski, Rio De Janeiro, Rochester, Roseville, Salvador, Sandusky, Sault Ste. Marie, Savannah, Shreveport, Sonoma, Springfield, St. Catharines, St. John's, St. Paul, Stockton, Sydney, São Paulo, Tacoma, Tampa, Toronto, Tucson, Tulsa, Vancouver, Warwick, Waterloo, West Palm Beach, Windsor

## Due Diligence and Compliance Audits

CRA provides a complete range of environmental auditing services. These services include Phase I Environmental Site Assessments, Environmental Compliance Audits, and preparation of environmental liability and compliance cost estimates. To date, CRA has successfully completed more than 20,000 such projects for industrial, commercial, and institutional clients worldwide. CRA is able to meet aggressive implementation and reporting requirements that are required for the sale or acquisition of property and/or stock. CRA's plant, facility and regulatory environmental experience ensures that we have staff that are familiar with and understand a large range of industrial processes hence environmental issues are properly identified and practically assessed relative to the type of transaction and specific client concerns.

## Site Investigation (Phase IIs)

Site investigations are undertaken to assess the environmental condition of the ground and groundwater beneath a site and/or to assess the geotechnical engineering parameters of the soils. Site Investigation / Phase II assessments are often undertaken during site divestiture / acquisition programs where vendors wish to sell a site and the liabilities associated with it and purchasers wish to know exactly what liabilities they are acquiring.

Every site investigation is tailored to the individual site, the issues that may be associated with that site, the likely ground conditions at the site and the proposed future use of the site. CRA is highly experienced at developing and implementing efficient intrusive investigation programs, with experience in virtually all commercial and industrial sectors.



## Remediation Strategies and Plans

CRA has been developing remediation strategies and plans for three decades. The services we offer include:

- *Risk identification, prioritisation and control*
- *Feasibility studies*
- *Technology evaluation*
- *Cost benefit analysis*
- *Bench and pilot scale studies*
- *Development of remedial strategies and plans*
- *Regulator liaison / approvals*

## Remediation Plan Implementation

CRA is experienced in all aspects of project delivery methods for remediation projects. We have strong design capabilities, combined with experienced construction professionals, ensuring that CRA's designs are well designed and constructible.

CRA has constructed hundreds of remediation systems using traditional and innovative technologies. Our design, operation and maintenance capabilities complement our construction experience. CRA provides significant cost-saving solutions during the construction phase of projects at complex chemical plants, manufacturing facilities, refineries, rail yards, airports, and waste sites.

Typical remedial technologies include:

- *Soil vapour extraction*
- *Air sparging*
- *Vapour enhanced recovery*
- *In-situ / ex-situ enhanced biological treatment*
- *Soil stabilisation / solidification / fixation*
- *Groundwater extraction*
- *Soil washing*
- *Bioreactors*
- *Air stripping*
- *Carbon adsorption*
- *Chemical oxidation*
- *Steam stripping*
- *Monitored Natural Attenuation*
- *Chemical reduction treatment for heavy metals*
- *Product recovery (LNAPL and DNAPL)*

CRA believes that the successful resolution of environmental issues while operating a profitable business is a key management challenge in today's business world. In terms of land and property development it is important to understand the impacts of contaminants in the environment on human health and the wider environment and to develop pragmatic measures to mitigate any risks.

# 30 Years of Consulting!



The way we have always been...  
**The way we will always be.**

**CRA** was founded on a philosophy of providing Client Focus and Technical Excellence through Teamwork. We thank our Clients for the opportunity to demonstrate the quality of our work on their projects and we thank our staff for upholding this standard over the past 30 years.

We are proud of our achievements and look forward to remaining active and respected members of the communities in which we work.

From **CRA's** initial involvement in the Love Canal project in New York in the late 1970s to our more recent diverse portfolio, we have established a solid reputation for excellence in environmental consulting.

**CRA** offers comprehensive support for industry and organisations dealing with the management of environmental liabilities, regulations and broader sustainability issues.

**CRA** has always respected its clients' mandate of cost-effective environmental responsibility with careful regard for the protection of the public and the environment.

### *Some of Our Areas of Expertise:*

PPC Applications and Permit Management  
Improvement Studies  
BAT Assessment and Reporting  
Permit Surrender  
Air Emissions Assessments  
Brownfield Redevelopment  
Carbon Footprint and Accounting Systems  
CSR, Sustainability and Reporting  
Contract Environmental Management  
Corporate Risk Management

Due Diligence and Compliance Auditing  
EMS / Integrated Systems  
Environmental Site Assessments  
Environmental Training  
Geo-Environmental Investigation  
Liability Risk Transfer  
Remediation  
Risk Assessment  
Water and Waste Minimisation



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