



Industrial Operations Support

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.

Operational Support Services

CRA has 30 years experience of advising clients in relation to air emissions, waste management, utilities, management systems, monitoring, targeting and reporting. This provides the basis for our comprehensive operational support services, now currently in demand to address stakeholders' regulatory requirements and permit management.

The Industrial Operations Support Team at CRA consists of highly qualified personnel experienced in environmental permitting, impacts assessment, process design, environmental engineering and sustainable

manufacturing. CRA's engineers and scientists support our clients in the provision of specialist resources – providing advice and full assessments of technological, operational and managerial approaches to maintain compliance and achieve BAT standards.

We provide expertise to assist clients with permit and licence applications, improvement programme delivery, development and implementation of site protection and monitoring programmes, air and water emissions assessment, process optimisation and waste/raw materials management.

Our access to over 2,500 technically qualified personnel creates a vast resource of experience to draw upon when assessing engineering options. Our project-based organisation is staffed with experienced project managers and discipline engineers and we are therefore well placed to offer a range of less common advice and solutions to environmental or engineering problems.

CRA's Industrial Operational Support services include:

- *PPC and Permitting*
- *Emissions Management*
- *Process Optimisation*
- *Regulatory Support*



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

PPC and Permitting

CRA has considerable experience in developing and writing PPC applications, variations and supporting systems to maintain ongoing compliance for industrial clients. We also provide support to regulatory agencies, enabling us to be at the forefront of emerging regulatory issues. Depending on client experience and requirements, CRA provides services ranging from ad-hoc support to actual management of the complete PPC submission and full ongoing compliance support.

- *PPC Applications and Variations*
- *Impacts assessment and Options Appraisal (H1)*
- *Application Site Reports (H7)*
- *Site Protection and Monitoring Programmes (SPMPs)*
- *Surrender Site Reports*
- *Improvement conditions*
- *BAT Assessments*
- *Regulatory compliance support*

Emissions Management

CRA supports clients in the management of their industrial emissions by provision of a resource of specialist personnel experienced in emissions assessment, emissions modelling and abatement technology.

- *Noise Emissions Assessment*
- *Air Emissions Assessment and Modelling*
- *Water Emissions Assessment, Modelling and Direct Toxicity Assessment (DTA)*
- *Feasibility Studies and Abatement Options*
- *Environmentally Critical Elements (ECE) Assessment*



Process Optimisation

CRA's Industrial Operations Support Team provides a range of support services to assist clients in optimisation of their processes, including the provision of audits and minimisation assessments for waste, water, raw materials and energy consumption. Where process alterations are required, CRA has a long history of providing engineering solutions to industrial clients.

- *Business process re-engineering*
- *Sustainable and lean manufacturing*
- *Waste, water, raw materials and energy minimisation*

Regulatory Support


At CRA we have considerable knowledge of European and UK environmental legislation and are experienced in the interpretation of existing and incoming legislation with respect to likely impacts on our industrial and land development clients. CRA frequently liaises with the regulatory authorities on behalf of our clients to determine how the authorities are likely to enforce requirements. This allows us to provide informed advice to clients on the options open to them to achieve and maintain compliance.

- *PPC*
- *REACH*
- *LCPD*
- *COMAH*
- *Water Framework Directive*
- *Waste Management Licensing*
- *Assessment of nuisance*
- *Radioactive Substances Act*
- *Environmental Liability Directive*



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 industrial operations, it is important to understand and incorporate EHS issues as part of day-to-day working. Taking this approach can help lead to total business optimisation in terms of operating efficiency and organisational culture.

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:

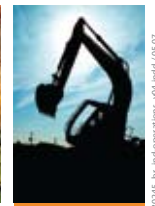
PPC Applications and Permit Management
Improvement Studies
BAT Assessment and Reporting
Permit Surrender
Air Emissions Assessments
Brownfield Redevelopment
Carbon Footprint and Accounting Systems
CSR, Sustainability and Reporting
Contract Environmental Management
Corporate Risk Management

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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