



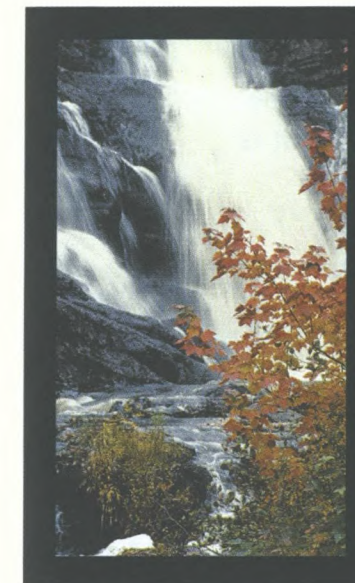
Canadians have a strong attachment to the land. They wish to preserve the quality of their air and water, protect nature and conserve wildlife. Public opinion polls in Canada consistently show that the environment is a high priority for Canadians. Nearly all Canadians believe that governments and corporations should show greater concern for the world's ecology. These concerns in Canada – and similar concerns in other countries – have helped foster a Canadian environmental industry with a reputation for innovative approaches to ecological problems.

Approximately 4,500 Canadian firms are active in the environmental industry. These firms earned about \$11 billion in 1994 of which \$6 billion came from the sale of manufactured goods such as membranes for water treatment, heat exchangers, ventilation systems, recycling equipment, alternative fuel vehicle components and hydro turbines.

About \$5 billion came from the sale of services such as consulting, environmental and energy engineering, as well as a wide range of scientific and technical services. These included spill prevention and clean-up, geomatics, remote sensing, waste management, laboratory testing and general research.

Most countries recognize that economic growth and environmental protection go hand in hand. While many countries are quickly developing their own capabilities, they also need efficient and workable innovations in services and equipment.

Clients and joint venture partners around the world are looking to Canadian companies to provide the needed expertise for a wide range of environmental undertakings whether they involve soil, water or air. More than 800 of Canada's environmental companies are exporters and Canada is a world leader in environmental services, biotechnology, remediation, monitoring and instrumentation.



WASTEWATER MANAGEMENT

Canadian industrial wastewater management firms, associated research and development centres, and universities have developed expertise and technical solutions for complex wastewater treatment requirements.

Some processes and applications in which Canadian firms specialize include:

PROCESS	APPLICATIONS
Anaerobic technology	Energy recovery that offers a significant cost savings
Sequencing batch reactor technology	Effluent treatment that produces a highly sanitized result and offers significant cost savings
Biological nutrient removal	Phosphorus removal to less than 0.3 mg/L and nitrogen removal to 1 mg/L at temperatures of less than 10°C

