High Technology Opportunities

Chart 10 Industrial wastewater management (IWWM) research and engineering infrastructure

Science and technology – Canada's competing edge

Canada's leading science and technalagy agency is the National Research Cauncil (NRC). NRC cantributes ta Canadian campanies' practical ideas, inventians, technical knaw-haw, industrial research assistance, warld class facilities and the largest callectian af scientific and technalagical data in Narth America. With a staff of 3 000 lacated in 15 labaratories across Canada, NRC encaurages variaus types af arrangements with Canadian campanies far the use of these facilities and expertise.

Majar research centres are lacated in British Columbia, Saskatchewan, Manitaba, Ontaria, Quebec, Nava Scatia and Newfaundland.

The areas cavered are diverse as biatechnology to rabotics to space science.

Examples af specific research and engineering establishments acrass Canada are:

British Columbia (Greater Vancouver)

- University af British Calumbia has a large IWWM graduate pragram
- Westwater Technology Centre an environmental research centre

Alberta (Edmonton)

- University of Alberta is the secand largest university in Canada and has a large, wellestablished IWWM graduate pragram
- Vegreville Enviranmental Centre a pravincial research centre
- Alberta Research Cauncil ail and caal related technalagies are a special area af expertise.
- Alberta Special Waste Management Carparatian — responsible far the management af industrial wastes at its Swan Hills facility.

Saskatchewan (Saskatoon)

 Saskatchewan Research Cauncil — uranium and patash related industries are a special facus af activity

Manitoba (Winnipeg)

- Freshwater Institute (federal) water research on inland waters
- University of Manitaba a graduate industrial waste management program

Ontario

- Fifteen universities are located here
- Six major universities with IWWM research programs
- University af Waterloo warld leader in camputer technology
- Wastewater Technology Centre warld-class. wastewater management R&D centre

- Ontaria Waste Management Corparatian Ontaria Crawn Carparation with expertise in industrial and hazardaus waste management
- Ortech Ontaria Crawn Corparatian active in IWWM research and waste exchange
- Canada Centre far Inland Waters warld-class water research centre
- National Research Cauncil with 9 research facilities
- Federal gavemment research centres in
 - physics · cammunications
 - electranics
 agriculture
 - mining/explaration
- Centre far Graundwater Research University af Waterlaa

Quebec

aptics

- Twa majar universities with IWWM research programs
- Biatechnalagy Research Institute (NRC), Mantreal
- Two large centres active in IWWM research
- Pulp and Paper Research Institute af Canada — Mantreal

Atlantic

 Centre far Cald Ocean Resources Engineering(St. Jahn's, Newfaundland) warld-renawned research centre far the marine enviranment