



Resource Guide



The Health and Environment Handbook
for Health Professionals

**resource
guide**



Health
Canada

Santé
Canada



Our mission is to help the people of Canada
maintain and improve their health.

Health Canada

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Tunney's Pasture
Ottawa, Ontario
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Fax: (613) 941-5366

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Our address is <http://www.hc-sc.gc.ca>

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et l'environnement à l'intention des professionnels de la santé :*

Guide des ressources

Printed on recycled paper

Government Resources: Canada

Reference Canada

Tel.: 1-800-667-3355 Fax: (613) 941-5383

Time Square Bldg., 47 Clarence Street, 3rd Floor, Ottawa, ON K1A 0S5

Web site: <http://www.cbsc.org/english/fedbis/bis/1325.html>

Reference Canada is the federal government's toll-free telephone referral and information service. Available nation-wide, this service provides information about federal programs and services to Canadians.

Canada Institute for Scientific and Technical Information (CISTI)

Tel.: (613) 993-1600 (general); 993-1210 for CAN/OLE; Fax: (613) 941-0177

National Research Council of Canada, CISTI, Bldg. M55, Montreal Road, Ottawa, ON K1A 0S2

Web site: <http://www.cisti.nrc.ca/cisti/>

e-mail: cisti.info@nrc.ca

Telnet: [cat.cisti.nrc.ca](telnet://cat.cisti.nrc.ca)

CISTI is Canada's national science library and provides an extensive reference service for both general scientific and technical reference questions regarding health sciences information. CISTI also offers a document delivery service, and access to the CAN/OLE and CAN/SDI database services. The reference service is free for inquiries taking less than 30 minutes and not incurring on-line costs. A \$15 fee applies to inquiries that take more than 30 minutes or that involve costs of on-line databases. Specialists in scientific and biomedical information can search the published literature to produce bibliographies on specific topics. CISTI maintains an extensive document collection that is available through interlibrary loan and document delivery services.

Environment Canada

Web site: <http://www.doe.ca>

Inquiry Centre

Tel.: 1-800-668-6767 or (819) 997-2800 Fax: (819) 953-2225

e-mail: enviroinfo@ec.gc.ca

Web site: <http://www.ec.gc.ca>

351 St. Joseph Blvd, Room 109, Hull, QC K1A 0H3

Environment Canada's Inquiry Centre provides general information to the public on the programs, services and publications of the department, e.g., publication information on a number of important environmental variables such as air quality and toxics.

The resource guide was last updated in June 1997.

Ontario Region Communications Branch

Tel.: (416) 739-4994 (automated switchboard and information system) Fax: (416) 739-4776

Office hours: 8:30 a.m. to 4:30 p.m. E.S.T. weekdays

4905 Dufferin Street, Downsview, ON M3H 5T4

Environment Canada has information sheets and pamphlets on a variety of environmental subjects. These can be obtained by calling the number above or 1-800-668-6767.

Fact sheets/documents/brochures that are available include:

Smog: Let's Clear the Air (1993)

The Canada/United States Air Quality Agreement: Progress Report (March 1992)

UV and You: Living with Ultraviolet (1993)

Stratospheric Ozone Depletion (1994)

The Ozone Layer (1995)

Canada's Ozone Layer Protection Program — A summary report (1996)

Canada-USA Agreement on the Transboundary Movement of Hazardous Wastes

Transporting Hazardous Wastes

Controlling PCB's: The Options Available

Atmospheric Environment Service

Tel.: (416) 739-4826 (automated switchboard and information system)

Publications: (416) 739-4155 Fax: (416) 739-4624

Office hours: 7:30 a.m. to 3:30 p.m. E.S.T. weekdays

e-mail: christine.badzioch@ec.gc.ca

4905 Dufferin Street, Downsview, ON M3H 5T4

The Atmospheric Environment Service collects data, provides information and conducts scientific research. Fact sheets, pamphlets, and answers to specific technical questions are available.

Environmental Protection Branch

Tel.: (416) 739-5851 Fax: (416) 739-4159

4905 Dufferin Street, Downsview, ON M3H 5T4

The role of the Environmental Protection Branch is to work with government and industry around the Great Lakes basin to reduce or eliminate pollution loading to the Great Lakes. The toxics of primary concern are the 11 denoted by the International Joint Commission.

Environmental Conservation Branch

Tel.: (416) 739-5840 Fax: (416) 739-5845

4905 Dufferin Street, Downsview, ON M3H 5T4

The main objective of the Environmental Conservation Branch is to protect and enhance Canada's natural biodiversity including the natural habitat and wildlife, and to safeguard the health of ecosystems such as the Great Lakes. The Environmental Conservation Branch manages the Remedial Action Plan (RAP) Program. The goal of RAP is to restore water quality in 17 severely polluted sites around the Canadian Great Lakes.

Great Lakes and Corporate Affairs Office

Tel.: (416) 739-4936 Fax: (416) 739-4781
4905 Dufferin Street, Downsview, ON M3H 5T4

In addition to providing infrastructure support services, including policy, planning and communications, the Great Lakes and Corporate Affairs Office implements the regional Great Lakes flagship program and national program requirements. The office coordinated federal-provincial Great Lakes activities stemming from the Canada-United States Great Lakes Quality Agreement. The office manages the Environmental Citizenship Initiative in the region and the environmental assessment division ensures that departmental programs and projects comply with the *Canadian Environmental Assessment Act* (CEAA) and provides specialist advice to other governmental departments.

National Air Pollution Surveillance (NAPS) Network

Contact: Richard Turle
Tel.: (613) 990-8559 Fax: (613) 990-8568
e-mail: turle.richard@etc.ec.gc.ca
NAPS Network, Analysis and Air Quality Division, Environment Canada,
3439 River Road, Ottawa, ON K1A 0H3

The NAPS Network is a federal and provincial program to monitor and assess the quality of ambient air in Canadian urban centres. Under this program, measurements and comparisons with the National Air Quality Objectives for sulphur dioxide, carbon monoxide, nitrogen dioxide, ozone and total suspended particulate are reported from 152 stations in 55 cities in the 10 provinces and two territories. NAPS monitors other chemicals in support of Canada's National Smog Management Program, and the Acid Rain and Air Toxic priority issues. The *Canadian Environmental Protection Act* makes use of the data NAPS has collected for their Priority Substances List assessments.

Regional Environmental Emergencies

General inquiries: (416) 739-5908 Fax: (416) 739-4953
Emergencies: (416) 346-1971
Environmental Emergencies Section, 4905 Dufferin Street, Downsview, ON M3H 5T4

Environment Canada has a 24-hour emergency response system for spills that affect international and provincial boundaries, federal facilities, the Great Lakes, and spills that impact fisheries (especially a fish kill). This office provides guidance pertaining to the *Canadian Environmental Protection Act*.

Wildlife Toxicology Division/National Wildlife Research Centre

Tel.: (819) 997-6069 Fax: (819) 953-6612
Office hours: 7:30 a.m. to 5:00 p.m. E.S.T.
Canadian Wildlife Service, National Wildlife Research Centre, 100 Gamelin Blvd., Hull, QC K1A 0H3
The Wildlife Toxicology Division studies the effects of contaminants on waterfowl and wildlife.

Health Canada

Web site: <http://www.hc-sc.gc.ca>

Health Canada Publications

Tel.: (613) 954-5995 or (613) 952-9191 Fax: (613) 941-5366
Health Canada Publications, PL0913A, Ottawa, ON K1A 0K9
Office hours: 8:30 a.m. to 4:30 p.m. E.S.T. weekdays

This office can provide multiple copies of some Health Canada publications on general environmental health subjects. Publication lists and some Environmental Health Directorate publications are also available.

Health Protection Branch

Tel.: Therapeutic Program 957-0369 or 957-0368; Food 957-1821; Environmental Health 954- 0291;
Laboratory Centre for Disease Control 957-0316 or 957-0315.

The Health Protection Branch of Health Canada is charged with protecting the Canadian public from life and health threatening hazards in the food supply, in pharmaceuticals and cosmetics, in medical or radiation-emitting devices, and in the environment. This also includes surveillance, disease control and prevention of threatening public health risks. Responsibility for HPB's activities are shared among four directorates: Therapeutic Program, Food, Environmental Health, and The Laboratory Centre for Disease Control.

Documents, fact sheets, brochures and posters dealing with numerous issues are available by contacting the number above or by looking at the website at www.hc-sc.gc.ca. Among the documents available are:

The Sun Your Baby, and You
Worried About the Sun?
Fun in the Sun
Preventing Skin Cancer (It's Up to You)
Sunglasses
Sunscreens
Lead and Human Health
Aluminum in Drinking Water and Human Health
Food Additives — Pocket Dictionary
MSG — Monosodium Glutamate
Sorting out Sulfites
Danger Zone in the Kitchen
Food Safety — On the Run
Food Safety at Home
Food for Thought — The Challenge of HPB
Let's Talk Turkey
Caffeine and You
Natural Toxicants in Plants
Mould — More than Meets the Eye
Perish the Thought — Questions and Answers on Food Safety
Recipe For Safe Food Handling (poster)
When Foods Bite Back (Food Allergies) (poster)
2-Ethyl-1,3-Hexanediol (EHX): An ingredient in personal insect repellent formulations
DEET and Personal Insect Repellents
Significance of Fungi in Indoor Air
Fungal Contamination
Radon

Ultrasonic Humidifiers and Respiratory Problems Fact sheet
Drinking Water Away From Home
Wilderness Water — A Guide to Wilderness Drinking Water
Guidelines for Canadian Drinking Water Quality — Supporting Documentation
Water Treatment Devices for Microbiological Contamination of Drinking Water
Water Treatment Devices for the Removal of Tastes, Odours and Chemicals
Fluoride and Human Health Fact sheet
The Undiluted Truth About Drinking Water
Shallow Wells and Precipitation Catchments used to Supply Drinking Water in Canada
Blood Lead Intervention Levels and Strategies
Lead and Human Health
Electromagnetic Fields
National Guidelines for Environmental Noise Control

Educational Services, Ontario Region/Health Protection Branch

Educational services consultant: (416) 973-1447 Fax: (416) 973-7794

Office hours: 8:00 a.m. to 4:00 p.m. E.S.T.

2301 Midland Avenue, Scarborough, ON M1P 4R7

Staff at the Health Protection Branch provide information about the current health protection laws and activities pertaining to food, drugs, cosmetics, and radiation devices advertised and sold in Canada. The branch also organizes talks and workshops for health professionals and provides consultation services regarding current food and drug topics.

Therapeutic Products Programme/Health Protection Branch

Tel.: (613) 957-0368 Fax: (613) 952-7756

Health Protection Building, Room 216, Tunney's Pasture, Ottawa, ON K1A 0L2

Address Locator: 0702A

The mission of the Therapeutic Products Programme is "To ensure that the drugs, medical devices, and other therapeutic products available in Canada are safe, effective, and of high quality." *The Food and Drugs Act* (FDA) provides the backbone of the programme's mandate, and is focussed on regulation of manufacturers. The programme works with other regulatory agencies, the provincial governments, trade associations, health professionals and their associations, and consumers and their associations, to fulfil its mandate. The regulatory system depends on approval prior to conducting clinical trials or marketing a drug or device, and surveillance activities (such as collection and analysis of adverse reaction or problem reports) during the life cycle of the product. As well, establishment inspections, product analyses, and special investigations are conducted to ensure the manufacturing processes meet Canadian standards. The Therapeutic Products Programme is responsible for additional activities under the *Controlled Drugs and Substances Act*, related to the availability of narcotic, controlled, and restricted drugs in Canada. Finally, the programme currently provides an illicit drug analysis service in support of police forces across Canada.

Environmental Health Directorate (EHD)/Health Protection Branch

Main information line: (613) 954-0291 Fax: (613) 952-2206

EHD publications: (613) 957-3998 Fax: (613) 941-8632

Environmental Health Centre, Tunney's Pasture, Ottawa, ON K1A 0L2

Call the Environmental Health Directorate Main Information Line to find out more about general environmental health information. The mandate of the Environmental Health Directorate is to protect Canadians from health hazards associated with chemicals, micro-organisms and radiation, and to improve public

well-being. The directorate investigates and assesses the health risks arising from these hazards and provides health and safety information. Air quality studies at the Environmental Health Directorate have included studying the effects of acid rain on the lung function of children, assessing the health effects of aerosols, and studying the effects of certain airborne pollutants on people who suffer from asthma. The indoor air program is investigating the problem of radon contamination, tight buildings, home dampness, and mould. Multiple copies of Environmental Health Directorate publications on general environmental health subjects can be obtained by calling the EHD Publications number.

Environmental Health Effects Division/Bureau of Chemical Hazards (EHD)

Tel.: (613) 957-1876 Manager, Public Consultation: (613) 952-8117 Fax: (613) 954-7612
Room 484D, Jeanne Mance Building, PL1904D, Tunney's Pasture, Ottawa, ON K1A 0K9

The Environmental Health Effects Division is composed of six sections: Great Lakes, Health Effects, St. Lawrence, Air Issues, Air Quality, and Drinking Water. Together, they conduct research, modelling and field studies in order to estimate human exposure to chemical contaminants and microbiological agents present in the environment.

The mandate of the Great Lakes Health Effects Program is to protect human health in the Great Lakes basin from the effects of exposure to environmental contaminants. The program seeks to determine human exposure and health effects associated with pollution from all sources in the Great Lakes, develop and implement strategies to reduce human health risks related to pollution in the Great Lakes basin, increase communication and consultation among agencies and the public, and support informed decision making on health and environmental issues.

In addition to its monitoring role, the division develops health-based guidelines for various media. The Drinking Water Section is responsible for establishing the *Guidelines for Canadian Drinking Water Quality* in partnership with the Federal-Provincial Subcommittee on Drinking Water. The Air Quality Section is involved in the development of ambient air quality objectives and the Federal-Provincial Working Group's, Air Quality Objectives and Guidelines. The division also revises and updates the *Guidelines for Canadian Recreational Water Quality*, which specify recommended levels of indicator organisms, such as *E. coli*, in fresh and marine waters.

Environmental and Occupational Toxicology Division/Bureau of Chemical Hazards EHD

Tel.: (613) 957-1848 Fax: (613) 954-2486
Environmental Health Centre, Building 8, Tunney's Pasture, Ottawa, ON K1A 0L2
Address locator: 0801D3

The Environmental and Occupational Toxicology Division carries out laboratory research and field studies to determine the toxic effects of chemical pollutants found in the environment, in consumer products and in the workplace.

Environmental Substances Division/Bureau of Chemical Hazards (EHD)

Tel.: (613) 957-1504 Fax: (613) 954-2486
Environmental Health Centre, Building 8, Room 145, Tunney's Pasture, Ottawa, ON K1A 0L2
Address locator: 0801C2

The Environmental Substances Division fulfils the department's non-discretionary responsibilities under the *Canadian Environmental Protection Act* (CEPA) with respect to risk assessment and risk management of new and existing chemicals and the products of biotechnology.

Environmental Radiation Hazards Division/Radiation Protection Bureau (EHD)

Tel.: (613) 954-6671 Fax: (613) 957-1089

775 Brookfield Road, Confederation Heights, Ottawa, ON K1A 1C1

The Environmental Radiation Hazards Division assesses and manages the risks to the Canadian population from radioactivity in the environment. Through the operation of the National Calibration Reference Centre, the division provides expert technical advice, information and assistance in the management of internal occupational exposures and risks. The division manages the federal government's response to nuclear emergencies under the Federal Nuclear Emergency Plan. The division's national radioactivity monitoring network provides baseline data and long-term trends for estimations of health risks from environmental radioactivity, and supports Canada's role in responding to emergencies. Research projects investigate the uptake, metabolism and biological effects on humans of radioactivity in the environment.

Food Directorate/Health Protection Branch

Tel.: (613) 957-1821 Fax: (613) 957-1784

Health Protection Building, Room 103, Tunney's Pasture, Ottawa, ON K1A 0L2

Address locator: 0701A

Office hours: 9:00 a.m. to 5:00 p.m. E.S.T. weekdays

The Food Directorate deals with issues including food contaminants, chemicals and residues on food, breast milk, the *Food and Drugs Act*, food borne illnesses, nutrition and veterinary drugs. Generally stated, its prime responsibility under the *Food and Drugs Act* is to ensure the safety, nutritional quality, and wholesomeness of the Canadian food supply.

Laboratory Centre for Disease Control/Health Protection Branch

Tel.: (613) 957-0316 Fax: (613) 952-7009

LCDC Building, Tunney's Pasture, Ottawa, ON K1A 0L2

Address locator: 0602C1

The Laboratory Centre for Disease Control (LCDC) is a national, service-oriented public health agency that carries out national disease surveillance and control; provides nationwide diagnostic reference services; coordinates services provided by national and provincial laboratories; assesses, investigates and evaluates health risks; actively gathers, transfers and disseminates information through national and international public health networks; conducts national and international training activities; and sets standards, ensures quality assurance, and transfers technology to various client authorities. LCDC's clients include provincial and hospital laboratories, provincial health ministries, federal departments, and national and international public health agencies.

Medical Services Branch

Indian Environmental Health Services

Tel.: (613) 957-7626 Fax: (613) 954-0692

Jeanne Mance Building, Room 2057C, Tunney's Pasture, Ottawa, ON K1A 0L3

Address Locator: 1920C

The EAGLE Project has established an ongoing partnership with 63 Great Lakes communities under the Assembly of First Nations (see separate section dealing with this project). Work continues on the Great Bear Project in northern Alberta and British Columbia and studies have been carried out on the health effects of contaminants on the Taku River Tlingits and the Ta'an Kwach'an. Through the Drinking Water Safety Program, baseline sampling has been completed across Canada. A training program for water treatment plant operators, the Circuit Rider Training Program, has been developed in conjunction with the Assembly of First Nations, selected First Nations organizations, Health Canada and Indian and Northern Affairs.

Occupational and Environmental Health Services Directorate

Tel.: (613) 957-7669 Fax: (613) 954-5822

Finance Building, 2nd Floor, Tunney's Pasture, Ottawa, ON K1A 0L3

Responsibilities of the directorate include the provision of occupational health and safety services to the Public Service of Canada. The result of this is the Public Service Health Program (PSHP). The directorate has a mandate to provide quarantine and regulatory services to a variety of constituents.

Pest Management Regulatory Agency

Tel.: (613) 736-3401 Information line: 1-800-267-6315 Fax: (613) 736-3410

2250 Riverside Drive, Ottawa, ON K1A 0K9

Web site: <http://www.hwc.ca/pmra/registra.html>

The national toll-free service for all Canadians provides answers to questions on pest control products and issues related to the use of pesticides, including information on acute oral dosage, and whether the pesticide is registered or not. The service offers information on insecticides, herbicides, fungicides, rodenticides, wood preservatives, swimming pool chemicals, and disinfectants. Complaints on the misuse of pesticides are handled and responses given to concerns regarding pesticide residues in food. This service acts as a clearinghouse of information encompassing the subject of pesticides. Open 8:30 a.m. to 4:30 p.m. weekdays.

Workplace Hazardous Materials Information System (WHMIS)

In Ontario, please contact: Dr. Ernest Sullivan

Tel.: (519) 646-3287 Fax: (519) 672-0268

e-mail: sulliver@epo.gov.on.ca

Ontario Ministry of Labour, 130 Dufferin Ave, London, ON N6A 5R2

For the rest of Canada, please contact:

Tel.: (613) 957-2342 Fax: (613) 952-3039

Product Safety Bureau, Health Canada, Main Building, PL0301B2, Tunney's Pasture, Ottawa, ON K1A 0K9

WHMIS is a hazard communication system, whose objective is the instruction of workers in the hazards of controlled products, and in the measures needed to protect workers from harm. WHMIS provides labels and material safety data sheets (MSDSs) that serve as the building blocks for the instruction program. The WHMIS legislation ensures that there is a single national standard for the protection of workers.

Statistics Canada**Health Statistics Division**

Tel.: (613) 951-1746 (information inquiries) Fax: (613) 951-0792

R.H. Coats Building, 18th Floor, Tunney's Pasture, Ottawa, ON K1A 0T6

The Health Statistics Division works with health statistics, including births, deaths, illnesses, disease trends, hospital admissions.

Transport Canada

Canadian Transport Emergency Centre/CANUTEC

Emergency line (call collect): (613) 996-6666 Cellular Speed Dial: *666

Information: (613) 992-4624 Fax: (613) 954-5101

330 Sparks Street, Ottawa, ON K1A 0N5

Transport Canada operates a 24-hour emergency telephone service, CANUTEC, to assist emergency response personnel in handling dangerous goods emergencies. CANUTEC is staffed by professional chemists that are specialized in emergency response and experienced in interpreting technical information and in providing advice. CANUTEC can provide immediate advice on chemical, physical and toxicological properties; incompatibilities of dangerous goods; health hazards and first aid; fire, explosion, spill or leak hazards; remedial actions for the protection of life, property and the environment; evacuation distances; and personal protective clothing. CANUTEC provides information and advice by phone, and may transmit standard information and data, however, its role does not include going to the site of an incident.

Government Resources: Ontario

Ontario Ministry of Agriculture and Food and Rural Affairs

Publication Ordering/Electronic Information Access

Tel.: In Ontario: (888)466-2372 Outside Ontario: (519) 826-3700 Fax: (519) 826-3358

1 Stone Road West, Guelph, ON N1G 4Y2

Office hours: 8:30 a.m. to 4:30 p.m. E.S.T. weekdays

Web site: <http://www.gov.on.ca/omafra>

The Publication Ordering/Electronic Information Access of the Ontario Ministry of Agriculture and Food provides a referral service and answers questions. It will also refer calls about environmental contaminants for Ontario grown meat, dairy products, and fruit and vegetables that are provincially inspected. Publications, both paid for and free of charge, can be ordered through the automated voice messaging system or through the Web site. A complete list of publications and other resources is available at the Web site.

Publications available include:

Food Handler's Storage Guide

Freezing Ontario Fruits and Vegetables

Pesticide Container Rinsing

Pesticide Contamination of Farm Water Supplies

Pesticide Handling Facilities

Reducing Pesticide Drift and Crop Damage

Ways to Avoid Pesticide Spills

Video: The Farm Fuel Storage Spill Containment

Pest Diagnostic and Advisory Clinic

Diagnostician: (519) 767-6258 Fax: (519) 767-6240

Office hours: 8:00 a.m. to 5:00 p.m. E.S.T. weekdays

University of Guelph, 95 Stone Road West, Zone 2, Box 3650, Guelph, ON N1H 8J7

Diagnosticians at the Pest Diagnostic and Advisory Clinic are available for telephone consultation. Diagnosticians will provide information and control recommendations for insects, mites, nematodes, spiders and other invertebrates, as well as plant and weed identification and recommendations for pest management, non-chemical control measures and the use of pesticides. Services are available for the general public and industry. The Pest Diagnostic and Advisory Clinic is equipped with a laboratory for microscopic examination of specimens, an extensive reference library, and an information centre.

Pesticide and Contaminants Laboratory

Tel.: (519) 767-6200 or (519) 767-6206

Office hours: 8:00 a.m. to 5:00 p.m. E.S.T. weekdays

c/o Lab Services Division, University of Guelph, P.O. Box 3650, 95 Stone Road West, Zone 2, Guelph, ON N1H 8J7

The Pesticide and Contaminants Laboratory provides clients with a chemical, analytical service for the detection and measurement of pesticide residues, industrial pollutants, and heavy metals in food, plants, animals, fish, wildlife, soils, water, and human tissues. In humans specifically, the lab tests for PCB's and organochlorine insecticides in breast milk. No referral from a physician is required to proceed with this test but the name and address of a physician or a qualified medical person is required to be sent with the breast milk sample. The results will be sent to the qualified medical person so that the information will be properly interpreted. A 50 mL sample of breast milk in a sanitized bottle with a tin-foil lined lid should be delivered in person or by courier to the address given above. The contact person is Dr. Brian Ripley.

Ontario Ministry of Environment and Energy

Web site: <http://www.ene.gov.on.ca>

Public Information Centre

Tel.: (416) 325-4000 or 1-800-565-4923 Fax: (416) 323-4564

135 St. Clair Avenue West, 1st Floor, Toronto, ON M4V 1P5

General information fact sheets and answers to specific verbal questions. Among the documents available include:

Ontario Phase-Out of Ozone Depleting Substances: A Compliance Guide (1990)
Ozone Depleting Substances (1990)
The Refrigerants Regulation Made Under the Environmental Protection Act (1993)
Ontario's Drinking Water Objectives (1992)
Ontario's Drinking Water Surveillance Program (1992) NDMA: New Drinking Water Guideline
Information on the Use of Home Water Treatment Devices
Hazardous Wastes in Your Home
Pesticides and the Environment
Pesticide Safety in Your Home
Guide to Eating Ontario Sport Fish
Pesticides Control in Ontario
Ontario Classification of Pesticide Products
Important Facts about Water Well Construction and Protection of Water Quality in Wells
Lead in the Environment (1993)
Air Quality Index in Ontario
National Ambient Air Quality
How Are We Doing On Air
Environment Ontario: A Complete Chain of Responsibility in the Management of Hazardous and Liquid Industrial Wastes — Handle With Care (1993)
PCBs and the Safe Destruction of PCB Waste (1990)

Environmental Monitoring and Reporting Branch

Tel.: (416) 235-6300 (automated telephone directory)

Specialized Monitoring and Air Quality Section

Tel.: (416) 235-5780 Fax: (416) 235-6037
125 Resources Road, West Wing, Etobicoke, ON M9P 3V6

The Specialized Monitoring and Air Quality Section compiles air quality statistics from monitoring instruments across Ontario and prepares reports to assist regional offices in controlling emissions. An ongoing answering machine service, the Air Quality Index at (416) 235-5781 or 1-800-387-7768, informs the public about air quality in Ontario cities. A team of experts on air quality issues provides assistance in modelling emissions inventories and setting ambient air quality criteria. The Specialized Monitoring and Air Quality Section publishes the *Air Quality in Ontario* report every year, and issues press releases on air pollution and related topics.

Drinking Water Section

Tel.: (416) 235-6229 Fax: (416) 235-6235
125 Resources Road, Etobicoke, ON M9P 3V6

The Drinking Water Section monitors drinking water quality at selected municipal supplies through the Drinking Water Surveillance Program (DWSP). The section also maintains the drinking water quality database, which provides exposure data in support of standard setting; trend analysis; occurrence data for specific chemicals of concern; and analysis of efficiency of water treatment processes. The section publishes and produces annual reports of the supplies monitored by DWSP, prepares information and fact sheets on drinking water, and provides customized reports on request.

The Drinking Water Section manages the ground water monitoring and information network, provides data on water quality and quantity, and provides assessment of suitability for drinking water. Water well records for the province are processed and the section is responsible for coordinating the enforcement and licensing of well contractors, technicians and pump installers.

Spills Action Centre

Province-wide toll free: 1-800-268-6060 (24 hours/7 days a week)
Local Tel.: (416) 325-3000 Fax: (416) 325-3011
5775 Yonge Street, Suite 1005, North York, ON M2M 4J1

The Spills Action Centre is staffed on a 24-hour basis to receive and record province wide reports of spills according to the legislated reports requirements. The Spills Action Centre coordinates emergency responses to spills and deals with other environmental emergencies as they occur. Typical spills reported involve oils and fuels, chemicals, waste and waste water, chemical and gaseous emissions. The ministry has implemented a province-wide Spills Prevention Strategy (SPS) requiring repeat offenders to submit spills prevention and response plans and to incorporate better management practices. The Contingency Planning Office, also at (416) 325-3000, promotes planning by industries, municipalities, federal and provincial agencies to control pollution caused by emergency spills of contaminants, and provides guidance pertaining to Part IX (Spills Bill) of the *Environmental Protection Act*.

Remedial Action Plan (RAP) Office

Tel.: (416) 314-7973 Fax: (416) 314-3924
40 St. Clair Avenue West, 12th Floor, Toronto, ON M4V 1M2

The RAP Steering Committee can provide information on the general status of the area of concern (AOC) clean-up activity and policy. It provides contact numbers for RAP teams including numbers for project heads and the Public Advisory Committee (PAC) chairs. PAC is the public component of RAP and is in touch with the public's health concerns and their need for education. The RAP Office can also provide the number for the chair of the Ontario PAC Council. The council deals with current public priorities in the remedial action plans.

Surface Water Section

Tel.: (416) 235-6222 Fax: (416) 235-6235
125 Resources Road, West Wing, Etobicoke, ON M9P 3V6

The Ontario Ministry of Environment and Energy undertakes a comprehensive surveillance and investigations program for the Canadian Great Lakes and connecting channels, as well as inland streams, rivers and lakes. The primary focus of the Surface Water Section is the gathering of long-term environmental water quality sediments and biota in the near shore areas of the Great Lakes and their connecting channels, as well as the monitoring of progress toward restoring the areas of concern. The section also supports the 17 Canadian Remedial Action Plan (RAP) sites and the "state-of-the-lakes" database.

Ecosystem Science Section

Tel.: (416) 327-7331 Fax: (416) 327-9087
2 St. Clair Avenue West, Floor 12A, Toronto, ON M4V 1L5

The Ecosystem Science Section supports and encourages locally initiated, community driven, ecosystem-based watershed management by providing advice and information (policy, legislative, scientific and technical) on watershed management to stakeholders. The Ecosystem Science Section undertakes ecosystem investigations, technology development and transfer related to the carrying capacity of watersheds, the effects of run-off on rivers (waste assimilation, spill assessments) and develops and evaluates abatement and control strategies on a local and watershed basis.

Atmospheric Studies Section/Science and Technology Branch

Tel.: (416) 327-6419 Fax: (416) 327-9087
2 St. Clair Avenue West, 12A Floor, Toronto, ON M4V 1L5

The Atmospheric Research and Special Programs Branch has technical information specific to indoor air quality including articles, reports and data. A report entitled, *The 1990 Toronto Personal Exposure Pilot (PEP) Study (1991)* which acquired and analysed indoor air samples from office and home environments and ambient samples from downtown and residential areas of Toronto is available. More recently, the following reports have been completed: *The Personal Exposure Assessment Report (1994)*, which was part of the Windsor Air Quality Study; *A Comparison of Air Quality in Smoking and Non-Smoking Areas — From Private Homes to Bingo Halls (1994)*; *Air Borne Hexavalent Chromium in Southwestern Ontario* (to be published in fall 1997).

Environmental Microbiology Lab

Lab scientists: (416) 235-5716 Fax: (416) 235-5951
81 Resources Road, Etobicoke, ON M9P 3T1

The Environmental Microbiology Lab tests well water for coliforms and fecal coliforms. Private citizens, cottagers or farmers can obtain a kit that includes a 6 oz. water bottle, a chemical stabilant and a data sheet form for the client to fill out. The water bottle should be returned to the lab within 48 hours. To order a free water testing kit call the Distribution Centre: (416) 235-5937 between 7:45 a.m. and 4:15 p.m. or you can pick one up from the office at 81 Resources Road. The office offers a 24-hour pick-up and drop-off service.

Industrial and Hazardous Waste Section/Waste Management Branch

Tel.: (416) 314-4164 Fax: (416) 314-7978; Waste Management Branch: (416) 325-4440
40 St. Clair Avenue West, 10th Floor, Toronto, ON M4V 1M2

This number is only for use of public health staff and not for public referrals. The mandate of the Industrial and Hazardous Waste Section covers the regulations and policies surrounding industrial and hazardous waste management. This ministry develops policies, standards, guidelines and criteria for the handling of special wastes and administers the manifest program. It coordinates programs concerned with the management of industrial and municipal wastes. The Waste Management Branch deals with hazardous waste management policies and provides technical support for hazardous waste diversion and treatment.

Noise Assessment Unit/Approvals Branch

Acoustics Specialist: (416) 440-3590 Fax: (416) 440-6973
250 Davisville Avenue 3rd Floor, Toronto, ON M4S 1H2

An acoustics specialist will answer questions about various aspects of sound/vibration emissions, measurements, community noise, environmental noise criteria, as well as noise impact assessment and control. The Noise Assessment Unit develops policies, guidelines and criteria; and assists regional/district offices and municipalities with advice and consultation on technical and legislative aspects of noise/vibration emission and control, including interpretation and implementation of guidelines, review procedures for noise source approvals, abatement investigations, environmental assessment and land use planning. Staff produce surveys and carry out measurements and analysis using specialized instrumentation. They also provide training to municipal planning and enforcement offices. Emissions from sources of environmental noise and vibration (new industrial/commercial installations, housing developments, highways, railways, aircraft) from projects subject to the *Environmental Protection Act* and *Environmental Assessment Act* are reviewed. The Noise Assessment Unit does not handle public complaints.

Standards Development Branch

Tel.: (416) 327-7670 Fax: (416) 327-2936
e-mail: steerpe@ene.gov.on.ca
2 St. Clair Avenue West, Toronto, ON M4V 1L5

The mission of the Standards Development Branch is to provide the environmental standards and toxicological expertise necessary to ensure a sound scientific basis for ministry programs, policies and regulations concerning hazardous contaminants and pesticides. To do so, the branch 1. develops and promotes environmental standards to protect human and ecosystem health and the quality of the natural environment; 2. provides toxicological advice, testing and diagnostic services on environmental contaminants and pesticides; and 3. administers the *Pesticides Act* and provides direction on the responsible use of pesticides in Ontario.

Pesticides Section/Standards Development Branch

Tel.: (416) 323-5095 Fax: (416) 323-5166
135 St. Clair Avenue West, Toronto, ON M4V 1P5

The Chemical Agents Unit of this section ensures safe and effective use of pesticides and provides technical support for the Pesticides Control Program and the Ontario Pesticides Advisory Committee.

Pesticides Advisory Committee

Tel.: (416) 314-9235 Fax: (416) 314-9237
135 St. Clair Avenue West, Suite 100, Toronto, ON M4V 1P5
Office hours: 8:30 a.m. to 4:00 p.m. E.S.T. weekdays

The Pesticides Advisory Committee advises the Minister of the Environment on matters pertaining to pesticides. The Pesticides Advisory Committee annually reviews the *Pesticides Act* and Regulations and government publications dealing with pesticides and the control of pests. The committee also recommends classification for all new pesticide products prior to marketing and use in Ontario. The Pesticides Advisory Committee publishes an annual report, which is available on request.

Ontario Ministry of Health***Environmental Health and Toxicology Unit***

Tel.: (416) 327-7427 Fax: (416) 327-7439
5700 Yonge Street 8th Floor, Toronto, ON M2M 4K5

The Environmental Health and Toxicology Unit provides information to public health staff but not to the general public. The Environmental Health and Toxicology Unit collects data and responds to inquiries regarding health effects as they relate to environmental conditions, such as the public health impacts of acid rain, the generation of electricity including the effect of electromagnetic fields, landfill sites and pollution in general.

Cancer Care Ontario (CCO)

Tel.: (416) 971-9800 Fax: (416) 971-6888
620 University Avenue, 15th Floor, Toronto, ON M5G 2L7

Cancer Care Ontario, formerly The Ontario Cancer Treatment and Research Foundation, is the provincial government's principal advisor on cancer issues and is responsible for long-term planning of all aspects of the cancer care system. CCO sets the direction and provides leadership for a broad range of services, such as treatment, prevention, research, and support services.

Ontario Ministry of Labour

Web site: <http://www.gov.on.ca/LAB/main.htm>

Information and Administrative Services — Publications

Tel.: (416) 326-7731 Fax: (416) 326-7745
400 University Avenue 9th Floor, Toronto, ON M7A 1T7
e-mail: pubsale@gov.on.ca

This office carries Ministry of Labour publications, the Occupational Health and Safety publications list and the Protocol for Administering Interior Air Quality Questionnaires. Publications cover such topics as indoor air quality, asbestos, lead. Single copies of documents about asbestos including health effects studies, consultants studies, cancer/mortality/morbidity studies are published by the Ministry of Labour and can be obtained free of cost. The "Concise List of Publications" is updated on an ad hoc basis and includes lists of publications that are free as well as a price list.

Occupational Health and Safety Branch

Head Office: (416) 326-7770 Fax: (416) 326-7761
400 University Avenue 8th Floor, Toronto, ON M7A 1T7

The Occupational Health and Safety Branch is the Head Office for all industrial, construction, mining health and safety programs and support services in Ontario. Each program has a provincial coordinator at head office who is responsible for directing the development of strategies, standards and policies and providing advice, guidance and research to field staff and clients on specific aspects of occupational health and safety programs. The Occupational Health and Safety Branch has programs dealing with environmental health including the Construction Health and Safety Program, the Industrial Health and Safety Program, and Professional and Specialized Services. All of these programs can be accessed by contacting the numbers given above.

Radiation Protection Service

Consultant: (416) 235-5922 Fax: (416) 235-5926
81A Resources Road, Weston, ON M9P 3T1

The Radiation Protection Service evaluates radiation hazards, enforces guidelines and regulations for the protection of Ontario workers, and provides information and advice on radiation risks to the public. The Radiation Protection Laboratory provides radio-analytical services to all provincial agencies undertaking surveillance of nuclear reactors, uranium mining, milling and processing plants and other facilities that use radioactive material. Provincial water supplies, lake and river water, precipitation, milk, air, urine, and sediments are just some of the types of samples that are taken.

Local Resources**Department of Public Health Contacts**

Name: _____

Address: _____

Telephone: _____

District Health Council Contacts

Name: _____

Address: _____

Telephone: _____

Local Commissioner of Planning and Public Works

Name: _____

Address: _____

Telephone: _____

Local Environment Office

Name: _____

Address: _____

Telephone: _____

Local Sewage Treatment Plant

Name: _____

Address: _____

Telephone: _____

Other Local Contacts

Name: _____

Address: _____

Telephone: _____

Name: _____

Address: _____

Telephone: _____

Name: _____

Address: _____

Telephone: _____

Name: _____

Address: _____

Telephone: _____

Other Government Resources

International Joint Commission (IJC)

Tel.: (613) 995-2984 Fax: (613) 993-5583

100 Metcalfe Street, 18th Floor, Ottawa, ON K1P 5M1

Tel.: (519) 257-6700 Fax: (519) 257-6740

Great Lakes Regional Office, 100 Ouellette Avenue, 8th Floor, Windsor, ON N9A 6T3

The IJC's mandate includes increasing awareness in Great Lakes communities of the impact of environmental degradation on human health and of the impact of human behaviour on the environment. The IJC has been encouraging health professionals in the United States and Canada to increase their capacity to address environmental health concerns. It is a source of numerous publications and videos, and produces the *Biennial Report on Great Lakes Water Quality* and the newsletter *Focus on Great Lakes Activities*.

Ontario Hydro Library Services

Tel.: (416) 592-2715 Fax: (416) 592-7532

700 University Avenue, Toronto, ON M5G 1X6

Office hours: 8:30 a.m. to 4:00 p.m. E.S.T. weekdays

Many publications about nuclear power generation are available at the Ontario Hydro Library such as:

Understanding Tritium

Facts About Nuclear Waste

Facts About Nuclear Safety

How Does a Nuclear Reactor Work?

Understanding Ionizing Radiation

Safe Management of Nuclear Waste

Pickering Generating Station

Bruce Generating Station

Darlington Generating Station

Ontario Hydro's reports and documentation about nuclear power plants are also available for public use.

Ontario Hydro General Information

General information: (416) 592-5111

Web site: <http://www.hydro.on.ca>

Electric and Magnetic Fields Services Team Information Line: 1-800-728-9533

The Ontario Hydro General Information service responds to public inquiries about Ontario Hydro. The Ontario Hydro Electric and Magnetic Fields Services Team combines strategic planning, issue management, program development and practical services related to education and information provision. The team tracks and provides balanced and timely information concerning electric magnetic fields (EMF) related research, litigation, standards and policies. Clients include the public, Ontario Hydro stakeholders, employees, customers of Ontario Hydro, municipal utilities, and private industry.

Team members are available to answer phone requests, make presentations, and lead or participate in workshops and public information sessions. EMF Services Team provides several pamphlets and information sheets on EMF related subjects. These are intended to provide basic information to the public or employees. Publications available include:

Electric and Magnetic Fields (EMF) — Ontario Hydro

Electric and Magnetic Fields and Your Health (Health and Welfare Canada)

Exposure to Electromagnetic Fields and Cancer (American Cancer Society)

Magnetic Fields and Transformers (Ontario Hydro).

Questions and Answers about EMF (NIEHS and U.S. Department of Energy)

Questions and Answers: EMF in the Workplace (NIEHS and U.S. Dept. Of Energy)

Quick Facts About Electric and Magnetic Fields and Homes Near Power Lines (Ontario Hydro)

EMF Services publishes a quarterly newsletter on EMF related issues. Contact the EMF Services Information Line if you would like to be placed on the mailing list for this newsletter.

Ontario Hydro will measure electric and magnetic fields at the request of property owners who either live in immediate proximity to Ontario Hydro facilities or who are direct customers of Ontario Hydro, if the request relates to personal health concerns.

The EAGLE Project

Tel.: (613) 241-6789 Fax: (613) 241-5808

Assembly of First Nations, 1 Nicholas Street, Suite 1002, Ottawa, ON K1N 7B7

The Effects on Aboriginals from the Great Lakes Environment (EAGLE) Project is a community-based initiative to examine the effects of contaminants in the Great Lakes on native health, well-being and quality of life. This unique program is being developed by native people for native people. The program is funded by Health Canada and managed on a day-to-day basis by the Assembly of First Nations (AFN). There is a steering committee composed of AFN, Health Canada and community representatives that is responsible for overall direction of the program. There is also a Scientific Advisory Group consisting of AFN, Health Canada, and scientists familiar with contamination and human health in the Great Lakes basin.

Government Resources: United States

Agency for Toxic Substances and Diseases Registry (ATSDR)

Tel.: (404) 639-6204 Fax: (404) 639-6208

U.S. Department of Health and Human Services, Centres for Disease Control and Prevention,
1600 Clifton Road, MS E33, Atlanta, Georgia USA 30333

ATSDR produces Case Studies in Environmental Medicine, which are self-instructional, educational materials designed to guide health professionals through the diagnosis, treatment, and surveillance of persons exposed to hazardous substances. ATSDR also produces many other educational materials of interest to health professionals.

Environmental Protection Agency (EPA)

General inquiries: (202) 260-2090

401 M Street SW, Washington, D.C. 20460

The EPA is the main environmental agency of the U.S. government. It has a broad range of responsibilities and carries out numerous programs, including evaluating contaminant toxicity, and setting and enforcing standards.

National Institute of Environmental Health Science (NIEHS)

Communications: Tel.: (919) 541-3345 Fax: (919) 541-2242

Director: (919) 541-3201 Fax: (919) 541-2260

U.S. Department of Health and Human Services, National Institutes of Health NIEHS, Mail Drop WC-03,
P.O. Box 12233, Research Triangle Park, NC USA 27709

NIEHS is initiating expanded programs in clinical research and disease intervention and prevention, along with continuing and improving its programs in basic biomedical research. NIEHS is the principal federal agency for professional training and public education on the health effects of environmental agents. It provides training for graduate students and post-doctorates. Through its grants, it provides career training for junior and senior level investigators and supports medical school faculty to allow them to expand curriculums in environmental health sciences for medical students.

National Institute for Occupational Safety and Health (NIOSH)

Tel.: (513) 533-8328 Fax: (513) 533-8588

4676 Columbia Parkway, Cincinnati, Ohio USA 45226

Web site: <http://www.cdc.gov/niosh/homepage.html>

NIOSH is responsible for conducting research and making recommendations for the prevention of work-related illness and injuries. The Institute's responsibilities include investigating potentially hazardous working conditions as requested by employers or employees; evaluating hazards in the workplace, ranging from chemicals to machinery; creating and disseminating methods for preventing disease, injury, and disability; conducting research; and providing scientifically valid recommendations for protecting workers.

National Technical Information Service

Tel.: (703) 487-4650 Fax: (703) 321-8547

U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia USA 22161

The National Technical Information Service produces the NTIS database, which is described in the Electronic Databases list in this document. It is a source for reports/papers on government-funded research.

Non-Government Resources

Health and Environment: General

Allergy/Asthma Information Association (AAIA)

Tel.: (905) 712-2242 Fax: (905) 712-2245
30 Eglinton Avenue West, Suite 750, Mississauga, ON L5R 3E7

The Allergy/Asthma Information Association provides information to allergy sufferers and their families to enable them to better understand asthma in order to avoid its occurrence. The AAIA publishes a quarterly newsletter that reviews scientific discoveries and product news, and contains other information of interest to allergic and asthmatic individuals. The AAIA has successfully advocated for complete ingredient listings on prepackaged foods and content labelling on fabrics and clothing. Currently, the AAIA is working with the federal government to achieve labelling of non-medicinal ingredients on all medications and complete ingredient listings on cosmetics. Information letters are available on topics such as:

Allergy and Asthma Can Be Controlled
Allergy of the Ear, Eye, and Nose
Avoiding Airborne Allergens

They can be obtained at a cost of \$3.00 to members and \$5.00 to non-members. A cookbook entitled, *Foods for Festive Occasions* is available for \$14.95. The AAIA's advisory board includes doctors, dieticians and health professionals.

Allergy and Environmental Health Association of Canada (AEHA)

Ottawa Branch: (613) 860-2342 Fax: (613) 825-3386

The Allergy and Environmental Health Association is a non-profit, voluntary, self-help organization for people who have environmental sensitivities. AEHA educates physicians and the public about sensitivities, and brings people together to work on issues of common concern.

Association of Local Public Health Agencies (ALPHA)

Tel.: (416) 595-0006 Fax: (416) 595-0030
415 Yonge St., Suite 1618, Toronto, ON M5B 2E7
e-mail: aoec@dgs.dgsys.com

ALPHA is the umbrella association for 40 public health units in Ontario. It provides information on public health issues, assists local public health units in providing efficient and effective services that meet the needs of the people of Ontario. ALPHA is the collective voice of Ontario's public health units and boards of health.

Association of Occupational and Environmental Clinics (AOEC)

Tel.: (202) 347-4976 Fax: (202) 347-4950
1010 Vermont Avenue, N.W. #513, Washington, D.C. 20005
e-mail: aoec@dgs.dgsys.com

AOEC develops curriculum materials on environmental health and supports Environmental education activities programs for primary care practitioners and other health professionals. It has a lending library containing course outlines, handouts, slides, videotapes and computer teaching modules available to members who are preparing their own presentations.

Canadian Cancer Society/Ontario Division

Manager: (416) 488-5400 Fax: (416) 488-2872;
1639 Yonge Street, Toronto, ON M4T 2W6

The Program Services Department coordinates the following four programs across Ontario: Breast Health, SunSense Awareness, Tobacco Reduction, and Healthy Food Choices. Any questions about how the Ontario-wide programs are delivered should be directed to the address above. Specific details about the programs can be obtained from the local offices. The Canadian Cancer Society can refer you to the nearest local office.

Breast Health Program

The Breast Health Program is an education program designed to assist women in adopting healthy breast attitudes and behaviours. Components of the program include information about risk factors, the definition of breast health, the importance of early detection including breast self-examination, physical examination, mammography and the Ontario Breast Screening Program.

Publications available from the local offices about breast health include:

Breast Cancer: Understanding Your Risk (1996)
Breast Self-Examination (1994)
Care About Your Health: Information About Breast Health (1994)
Facts on Breast Cancer (1994)

SunSense Awareness Program

The SunSense Program is an education program designed to inform the public about the relationship between ultraviolet radiation and the risk of skin cancer through activities such as presentations and displays. The program encourages individuals to adopt "Sunsensible" practices to prevent skin cancer and to detect it early.

Publications available from the local offices about sun safety include:

Rayguard: Be Sun Smart Activity Book (1997)
Skin Sense: Indoor Tanning is no Safer than the Sun
SunSense: How to Protect Your Skin (1994)
Sunscreen Fact Sheet (1991)
Facts on Skin Cancer (1991)
SunSense (1989).

Canadian Centre for Occupational Health and Safety (CCOHS)

Tel.: 1-800-263-8466 Fax: (905) 572-4500/(905) 572-2206
250 Main Street East, Hamilton, ON L8N 1H6
Web site: <http://www.ccohs.ca>

CCOHS provides a response-by-mail service for occupational health and safety information requests. CCOHS provides publications on various issues and is a source for Chemical Hazard Information on CD-ROM, including Material Safety Data Sheets, Safe Use of Chemicals, Human Health Effects, Regulatory Information, Aquatic and Animal Toxicity, and Environmental Data. It is also a source of CCINFOLine databases, including Canadian Studies, Case Law, CHEMINFO, Essentials, MSDS/FTSS, Noise Levels, Non-Ionizing Radiation Levels, Resource Organizations, Resource People, and Standards and Directories. In the future, some of these databases will be accessible through the Internet.

Canadian Global Change Program (CGCP)

Tel.: (613) 991-5640 Fax: (613) 991-6996
c/o Royal Society of Canada, 225 Metcalfe Street, Suite 308, Ottawa, ON K2P 1P9
Web site: <http://www.cgcp.rsc.ca>
e-mail: dhenders@rsc.ca

The Canadian Global Change Program, founded in 1985 under the Royal Society of Canada, seeks to promote informed action in support of sustainable development through sound advice on global change. As an interdisciplinary and multi-agency network, the CGCP assesses the policy relevance of research from the natural sciences, social sciences and humanities, assists in planning and coordination of interdisciplinary research, and communicates global change information to decision makers and the general public. It also acts as the Canadian National Committee for the International Geosphere Biosphere Program (IGBP), the Scientific Committee on Problems of the Environment (SCOPE), the International Human Dimensions Programme (IHDP) and has strong links to the Inter-American Institute for Global Change Research (IAI) and the International Group of Funding Agencies for Global Change Research (IGFA). As a national, bilingual organization, the CGCP undertakes initiatives in all regions of Canada.

CGCP activities are guided by a 22-person board of directors including experienced scientists, decision makers and communicators drawn from all sectors of Canadian society. All board and committee positions are voluntary, including chair positions. A seven-person paid secretariat, based in the Ottawa offices of the Royal Society of Canada, coordinates the activities of the CGCP.

Canadian Institute of Public Health Inspectors (CIPHI)

Tel.: (888) 245-8180 Fax: (403) 342-5690
P.O. Box 5367, Stn. F, Ottawa, ON K2C 3J1

The CIPHI is comprised of professionals dealing in all areas of environmental health. The Public Health Inspector (PHI) uses strategies to reduce risk to the public and promotes links between the environment and a healthy community. Using a risk assessment approach when potential health hazards are identified, the PHI relies on education, consultation and enforcement to eliminate or reduce the health risk to the community.

Canadian Network of Toxicology Centres (CNTC)

Tel.: (519) 837-3320 Fax: (519) 837-3861
e-mail: dwarner@uoguelph.ca
Web site: <http://www.uoguelph.ca/cntc/>

The mandate of the Canadian Network of Toxicology Centres is to improve human and environmental health by advancing Canadians' understanding of toxic substances and their impact on human health and the environment. The CNTC promotes interdisciplinary research and educational programs in toxicology and serves as an authoritative international source of sound toxicological information.

Canadian Society for Environmental Medicine (CSEM)

Tel.: (613) 728-5069
c/o Environmental Health Group, 275 King Street East, Suite 223, Toronto, ON M5A 1K2

The Canadian Society for Environmental Medicine is a charitable foundation with the purpose of promoting improved understanding of the interrelationship between humans and their environments. CSEM is particularly concerned about the effects of environmental pollution on health, and the plight of the environmentally hypersensitive.

Centre for Health Promotion

Tel.: (416) 978-1809 Fax: (416) 971-1365

100 College Street, Suite 207, Banting Institute, University of Toronto, Toronto, ON M5G 1L5

Web site: <http://www.utoronto.ca/chp/>

Part of the University of Toronto, the Centre for Health Promotion engages in research, education and training, and provides service in the area of health promotion. The centre can provide information on workshops, upcoming events, publications, and research in the area of health and the environment.

Consumer's Health Organization of Canada

Tel.: (416) 490-0986 Fax: (416) 490-9949

1220 Sheppard Avenue East, Suite 412, North York, ON M2K 2S5

Web site: <http://www.hookup.net/~cho>

The Consumer's Health Organization of Canada works to prevent the pollution of food, air and water and promotes healing and preventive alternatives to modern medicine. The Consumer's Health Organization works to maximize quality of life and reduce health costs by controlling disease through an education program of problem prevention and also to bridge the gap between orthodox and unconventional medicine. The organization has a lending library for members and publishes the *Consumer Health Newsletter*.

Hospital for Sick Children**Motherisk Program**

Information Specialist: (416) 813-6780 Fax: (416) 813-7562

Office hours: 9:00 a.m. to 5:00 p.m. E.S.T. weekdays

Staff are available at the Motherisk Program to respond to public questions and concerns during business hours. Motherisk focuses on safety and exposure to drugs, viruses, chemicals and radiation during pregnancy and breast feeding. Information specialists counsel pregnant women and health care professionals about the risks of birth defects and fetal outcome. Motherisk Program members conduct research into reproduction toxicology. The staff at Motherisk include physicians, information specialists, nurses, pharmacists, pharmacologists and toxicologists as well as students doing research.

Poison Information Centre

Tel.: (416) 813-5900 or 1-800-268-9017 Fax: (416) 813-7489

Office hours: 24 hours/day, 7 days/week

The Poison Information Centre provides toxicology advice on all toxins, including lead, to laypeople and professionals.

McMaster Institute of Environment and Health (MIEH)**EcoResearch Chair's Program in Environmental Health**

Tel.: (905) 525-9140 ext. 27559 Fax: (905) 524-2400

McMaster University, 1280 Main Street West, Burke Science Building, Room B150, Hamilton, ON L8S 4K1

e-mail: ecoenvir@mcmaster.ca

Brings different disciplines, specialties and sectors of society together in new ways to address the complexity of problems faced in preventing and remedying negative environmental impacts on health.

Institute for Environmental Studies, University of Toronto

Tel.: (416) 978-7077 Fax: (416) 978-3884
33 Willcocks Street, Suite 1016, Toronto, ON M5S 3E8
Web site: <http://www.utoronto.ca/env/ies.htm>
e-mail: ies.gradinfo@utoronto.ca

The Institute for Environmental Studies offers interdisciplinary research and graduate collaborative programs in environmental studies and toxicology. A graduate program in Environment and Health is currently in the approval process. A seminar course in Environment and Health will be offered in January 1998.

International Institute of Concern for Public Health (IICPH)

Tel.: (416) 260-0575 Fax: (416) 260-3404
710 - 264 Queen's Quay West, Toronto, ON M5J 1B5
e-mail: 103062.1200@compuserve.com

IICPH is a non-profit, non-governmental professional organization. Its work includes:

- advocating health issues;
- assisting in health promotion and health protection; and
- providing expertise on health, scientific and environmental issues.

IICPH publishes a journal, *International Perspectives in Public Health*, and the *Handbook for Calculating the Health Effects of Exposure to Ionizing Radiation*. Members provide expert testimony and professional lectures, and participate in governmental consultations.

Correspondence, legal cases, special files, slides, pictures, audio and video tapes are available for researchers at the National Archives in Ottawa, under the Rosalie Bertell collection. Environmental health files are housed at the Ontario Public Interest Research Group library on the campus of the University of Guelph and are open to faculty, students and the public.

The Lung Association

Tel.: (416) 864-9911 Fax: (416) 864-9916
573 King Street East, Suite 201, Toronto, ON M5A 4L3
Office hours: 8:30 a.m. to 4:00 p.m. E.S.T. (weekdays)
C.A.N. DO: 1-800-972-2636

The Lung Association has an environmental health program called C.A.N. DO (Clean Air Now). Its aim is to provide Canadians with suggestions for simple and practical actions that improve the quality of the air we breathe. To do that, C.A.N. DO offers a range of comprehensive materials and information products created in partnership with national experts in clean air and health issues, including Health Canada and the Canada Mortgage and Housing Corporation.

Metropolitan Toronto Teaching Health Unit

c/o North York Public Health Department
Tel.: (416) 395-7716 Fax: (416) 395-7691
Education and Research Division, 5100 Yonge Street, North York, ON M2N 5V7

One focus of the Teaching Health Units within Metropolitan Toronto is on environmental health. This program involves applied research, staff development and teaching on environmental matters as they might affect human health. Resource materials have been developed on environmental surveillance, lead awareness and pesticide use reduction in the housing sector. Some of our resources include:

- *The Lead Awareness Kit*: Contains 3 copies of a poster (*Bears Beware...There's Lead Everywhere*); an explanation to lead exposure situations (Spot the Ways You May be Exposed to Lead); a Fact sheet series; graphic images for creating your own public education materials; and a "train the trainers" resource guide, "*Why Barns are Red: The Health Risks form Lead and Their Prevention: A Resource Manual to Promote Public Awareness.*"
 - *Outdoor Air Quality in Toronto: Issues and Concerns* (1993). Contact: City of Toronto Department of Public Health, Environmental Protection Office. Tel.: (416) 392-6788
 - *Measuring Up: A Resource Guide for Municipal State of the Environment Reporting* (1996)
- Available from Environment Canada's Inquiry Centre 1-800-668-6767 or (819) 997-2800

Canadian Network of Toxicology Centres (CNTC)

Tel.: (519) 837-3320 Fax: (519) 837-3861
Bovey Building, Gordon Street, Guelph, ON N1G 2W1
Web site: <http://www.uoguelph.ca/cntc/>

The Canadian Network of Toxicology Centres is a non-profit network of university based collaborating scientists dedicated to toxicology research, training, analysis of research data, and risk assessment and communication. The CNTC believes that effective improvements to environmental and human health can only be achieved in an objective research environment, supported by meaningful risk communication so that Canadians can better understand both risks and benefits and thereby make informed decisions based on factual information. In this regard, the CNTC works with industry-based organizations, government agencies and the international community in order to identify important gaps in knowledge and to develop realistic research goals to address these critical gaps.

Ontario College of Family Physicians

Environmental Health Committee

Tel.: (416) 867-9646 Fax: (416) 867-9990
357 Bay Street, Suite 800, Toronto, ON M5H 2T7
Office hours: 9:00 a.m. to 5:00 p.m. E.S.T. weekdays

The committee focuses on the role of family physicians in environmental health.

Ontario Healthy Communities Coalition

Tel.: (416) 408-4841 Fax: (416) 408-4843 Toll free number: 1-800-766-3418
415 Yonge Street, Suite 1202, Toronto, ON M5B 2E7
Web site: <http://www.opc.on.ca/ohcc/>

The Ontario Healthy Communities Coalition, established in 1992, promotes and supports healthy community projects and processes within communities across Ontario.

Ontario Public Health Association (OPHA)

Tel.: (416) 367-3313 ext. 26 Fax: (416) 367-2844
Toll Free Provincial Line: 1-800-267-6817
468 Queen Street East, Toronto, ON M5A 1T7
Web site: <http://www.opha.on.ca/opha/>
e-mail: opha@web.net

The OPHA is primarily of use to people who are active in public and community health. The OPHA has an Environmental Health Workgroup that addresses a wide number of health related issues. OPHA advocates on behalf of more than 3000 people. The Canadian Institute of Public Health Inspectors — Ontario Branch (CIPHI-O) and the Association of Supervisors of Public Health Inspection (ASPHIO) are both constituent societies of OPH. For more information about OPHA and related environmental health issues, contact the association. OPHA refers public inquiries to the appropriate health unit or community agency.

The Environmental Health Workgroup, Tel.: (519) 821-2370 ext. 224, provides a forum for those who are actively involved in environment and health issues and for those who are working to strengthen the impact of people who are active in environmental health throughout Ontario. The objectives of the workgroup include supporting and advocating for groups working on environmental health issues, providing a network to assist members of the workgroup so that they can be informed of the latest developments in environmental health, and influencing government policy and programs.

Ontario Prevention Clearinghouse

Tel.: (416) 408-2121 or 1-800-263-2846 (in Ontario only) Fax: (416) 408-2122
415 Yonge Street, Suite 1200, Toronto, ON M5B 2E7
Office hours: 9:00 a.m. to 5:00 p.m. E.S.T. weekdays
Web site: <http://www.opc.on.ca>
e-mail: info@opc.on.ca

The Ontario Prevention Clearinghouse is a registered, non-profit charitable organization that is funded by the Ontario Ministry of Health and receives advice from that ministry as well as the Ministry of Education. The clearinghouse provides information, support and advice to organizations and individuals throughout Ontario who are working in the areas of health promotion and primary prevention. The clearinghouse provides one easily accessible source for consultation, program data, networking and research.

Physicians for Social Responsibility (PSR)

Tel.: (202) 898-0150 Fax: (202) 898-0172
1101 14th Street North West, Suite 700, Washington D.C. 20005

Physicians for Social Responsibility is committed to eliminating weapons of mass destruction, preserving a sustainable environment and reducing violence and its causes. PSR works to protect people from environmental health hazards and to shift government spending priorities toward investments in public health and the environment.

Task Force on Environmental Health for Health Professionals

Tel.: (416) 252-6471 Fax: (416) 252-4474
LAMP, Occupational Health Program
185 5th Street, Etobicoke, ON M8V 2Z5

The Task Force carries out ongoing discussions and action on the environmental health information and professional training needs of health professionals in the Great Lakes basin.

Environmental Institutes, Agencies, and Community Groups

Canadian Bottled Water Association (CBWA)

Tel.: (905) 886-6928 Fax: (905) 886-9531
70 East Beaver Creek Road, Suite 203-1, Richmond Hill, ON L4B 3B2

The Canadian Bottled Water Association is open to companies with an interest in the Canadian bottled water market. The goals of the CBWA are to promote the orderly development of the industry and to work with various regulatory bodies to ensure that bottled waters sold in Canada are of the highest possible quality. The Canadian Bottled Water Association has an Information Resource Library with publications, newspaper articles, visual and audio materials that is open to CBWA members only and not to the general public. Arrangements can be made for staff of public health units and for other government officials to make use of the library resources.

Pace Environs Inc. — Frandon Lead Alert Kit

Tel.: (905) 709-1196 Fax: (905) 709-1181
120 West Beaver Creek Road, Unit #16, Richmond Hill, ON L4B 1L2
Web site: <http://pace-env.com>
e-mail: pace@wwonline.com

The Frandon Lead Alert Kit (approved by the FDA in the United States) can discover lead in paint, ceramic ware, children's toys, metal ware, and decorated glassware. The price for a 10-test kit is \$18.00; 20-test kit - \$28.00; 40-test kit - \$35.00, plus GST, PST and shipping.

Canadian Environmental Law Association (CELA)

Tel.: (416) 960-2284 Fax: (416) 960-9392
517 College Street, Suite 401, Toronto, ON M6G 4A2
Web site: <http://www.web.net/cela>
e-mail: cela@web.net

The Canadian Environmental Law Association is a non-profit, public interest organization established in 1970 to advocate for environmental law reforms. CELA has a free legal advisory clinic for the public and will act at hearings and in courts on behalf of citizens who are otherwise unable to afford legal assistance. With respect to most environmental concerns, CELA can offer a legal viewpoint on the issue, technical information or references to further sources, and referrals to experienced individuals or consultants. The CELA resource centre is open to the public from 1:00 p.m. to 5:00 p.m. Tuesday, Thursday and Friday. Please call ahead to book an appointment with the librarian to use library services. The resource centre at CELA has publications from active environmental groups in Ontario, government documents and technical summary reports on a wide range of environmental topics. CELA publishes a national newsletter, the *Intervenor*, every two months.

Canadian Network for Environmental Education and Communication (EECOM)

Tel/Fax: (519) 746-7504
P.O. Box 948, Station B, Ottawa, ON K1P 5P9
e-mail: eeecom@web.net

EECOM is a network of environmental educators from across Canada and from many different sectors working to support environmental education. The main goal of the network is to promote communication in order to share resources and ideas about environmental education. Other goals include improving and promoting environmental education in Canada, facilitating discussions about issues, and ensuring that environmental education is a priority in Canada. Sectors involved include K-13 school system, post-secondary institutions, government, youth, industry, labour, native, environmental groups, non-governmental organizations and provincial environmental education organizations.

Canadian Organic Growers

Tel.: (613) 231-9047
Web site: <http://www.gks.com/cog/>
P.O. Box 6408, Station J, Ottawa, ON K2A 3Y6

Canadian Organic Growers is a registered charity and volunteer organization. It is an information and networking resource for Canada, promoting the methods and techniques of organic growing along with the associated environmental, health and social benefits. COG's activities include publishing the quarterly magazine *COGNITION*, the *Organic Resource Guide* and books and information sheets on organic farming and gardening, operating a lending library, and awarding a scholarship each year to help support a student undertaking research of benefit to organic growers. Local chapter events include workshops, conferences, demonstration gardens, farm and garden tours.

Conservation Council of Ontario (CCO)

Tel.: (416) 410-6637 Fax: (416) 863-6755
3 Church Street, Suite 400, Toronto, ON M5E 1M2

The Conservation Council of Ontario is a non-profit, broad based, provincial umbrella organization that has individual and corporate membership. CCO works for the conservation of natural resources and toward sustainable economic and social development in the province of Ontario. There are eight standing committees that cover the main areas of concern of the council including agriculture, energy, forestry, land use, population, waste management, water, and wildlife and natural areas. CCO strives to understand and to solve problems connected with the use of land, rivers, lakes, forests and with urban and population growth. The Conservation Council is working with a number of communities on community action plans.

Construction Safety Association of Ontario

Tel.: (416) 674-2726 Fax: (416) 674-8866
21 Voyager Court South, Etobicoke, ON M9W 5M7
e-mail: info@constructsafety.on.ca

The Construction Safety Association researches the health and safety of construction procedures, equipment and materials, and provides health and safety educational programs and material such as publications and videotapes at cost. Data sheets at \$6.95 each are available about asbestos location and identification, and asbestos hazards and controls. A package of 50 information bulletins *Asbestos Regulation — Responsibilities* is available for \$19.95. The technical advisor will respond to verbal inquiries about asbestos. The Construction Safety Association also provides training courses in asbestos removal.

Nuclear Awareness Project/Durham Nuclear Awareness

Tel.: (905) 852-0571 Fax: (905) 852-0571
Box 104, Uxbridge, ON L9P 1M6
e-mail: nucaware@web.net

Nuclear Awareness Project (NAP) and its affiliates, Durham Nuclear Awareness (DNA) and Energy Action Project, are dedicated to raising public awareness about nuclear issues and the need for a safe, sustainable energy future based on conservation and renewable energy. The Nuclear Awareness Project operates a Public Resource Centre and publishes a newsletter.

NAP and DNA conduct research and public education programs on nuclear power hazards and other nuclear issues. DNA has undertaken programs focussing specifically on the public health impact of exposure to routine radioactive pollution, and on nuclear emergency planning.

Energy Probe

Tel.: (416) 964-9223 Fax: (416) 964-8239
225 Brunswick Avenue, Toronto, ON M5S 2M6
Web site: <http://www.nextcity.com/EnergyProbe>

Energy Probe is a non-profit environmental group that distributes publications about radiation health risks, energy policy and utility reform, nuclear power, nuclear waste, reactor safety, alternative energy and conservation, reactor exports and weapons proliferation, and loans videos. The document *How Many Cancers? Energy Probe's Written Submissions to the Advisory Committee on Environmental Standards on Proposed Limits for Tritium in Drinking Water* by Norman Rubin is available for \$5.00. Some publications are available free of charge.

Fact sheets are available on the following topics:

- Uranium*
- High Level Nuclear Waste*
- Nuclear Power is Unnecessary*
- Nuclear Power Pollutes*
- Nuclear Power is Expensive*
- The Demise of Nuclear Power*

Federation of Ontario Naturalists (FON)

Tel.: (416) 444-8419 Fax: (416) 444-9866
355 Lesmill Road, Don Mills, ON M3B 2W8
Web site: <http://www.web.net/fon>

The Federation of Ontario Naturalists is a non-profit group that works to protect and educate the public about the value of natural ecosystems, wildlife and green places. The FON runs the following programs: Environmental, Wetlands, Education, Trips and Tours, and Nature Reserves. The FON's newsletter, *Seasons*, is produced four times a year and sells educational materials. Some pamphlets are distributed free of charge on subjects such as parks and wetlands.

Friends of the Earth

Tel.: (613) 241-0085 Fax: (613) 241-7998
47 Clarence Street, Suite 306, Ottawa, ON K1N 9K1
Web site: <http://www.intranet.ca/~foe/>
e-mail: foe@intranet.ca

Friends of the Earth is a non-profit, environmental and public interest group that is part of a worldwide organization. Friends of the Earth encourages public education by providing information about issues and options on how all Canadians can contribute to solving environmental problems, encourages research on which to base advocacy and education programs, and undertakes joint campaigns with other Canadian and world groups. Friends of the Earth currently focusses its campaigns on protection of the atmosphere. Issues include ozone layer protection, sustainable societies and energy conservation, and toxins and mining.

Canadian Centre for Pollution Prevention

Tel.: 1-800-667-9790 (across North America) Fax: (519) 337-3486
265 North Front Street, Suite 112, Sarnia, ON N7T 7X1
Web site: <http://c2p2.sarnia.com>
e-mail: c2p2@sarnia.com

Operating Canada's foremost pollution prevention resource, the Canadian Centre for Pollution Prevention (C2P2) offers easy access to regional, national and international pollution prevention (P2) information through:

- information search service, hard copy distribution, and links to primary pollution prevention centres;
- extensive reference library and current publications listing;
- Canada's easy-to-use pollution prevention Internet site;
- on-line forum, *P2 dialogue*, dedicated to the sharing of pollution prevention information;
- *at the source* newsletter and monthly *What's New* in P2 bulletin;
- customized training courses to make pollution prevention a part of everyday business;
- organization and delivery of conferences to promote pollution prevention to a broader audience.

Great Lakes United (GLU)

Tel.: (514) 396-3333 Fax: (514) 861-8949
460 St. Catherine Street West, Suite 805, Montreal, QC H3B 1A7
e-mail: sgingras@igc.org

GLU provides information on pollution prevention and remedial action plans.

Greenpeace Canada — National Headquarters

Tel.: (416) 597-8408 Fax: (416) 597-8422
250 Dundas Street West, Suite 605, Toronto, ON M5T 2Z5
Web site: <http://www.greenpeacecanada.org>

Greenpeace is an independent organization that works for grassroots education in nuclear energy, toxins, ocean ecology and the atmosphere, and lobbies industry and government. Greenpeace publishes research reports about the health effects of different toxins and some fact sheets are available by contacting the organization.

Ontario Environmental Network (OEN)

Tel.: (519) 837-2565 Fax: (519) 837-8113
25 Douglas Street, Guelph, ON N1H 2S7
Web site: <http://www.web.net/~oen>
e-mail: oen@web.net

The OEN is a non-profit, non-governmental network for environmental groups in Ontario. It seeks to increase public awareness of these organizations and to facilitate communication and cooperation among the organizations. It is part of the Canadian Environmental Network, the national organization that coordinates the activities of the various regional networks and facilitates discussions with the federal government. The OEN produces a directory of organizations and their printed and audiovisual resources.

Ontario Public Interest Research Group (OPIRG)

Tel.: (416) 978-7770 (10:00 a.m. to 6:00 p.m.) Fax: (416) 971-2292
455 Spadina Avenue Room 201, Toronto, ON M5S 2G5
Web site: <http://www.io.org/~opirg>
e-mail: opirg@campuslife.utoronto.ca

The Ontario Public Interest Research Group is a student-funded, student-run research organization that advocates environmental and social justice issues. OPIRG is part of a provincial network that organizes workshops and produces pamphlets and publications on environmental, political, legal, social, health and consumer issues. There is a charge for most publications, however, fact sheets on waste management are free, including:

Composting: Nourishment From Garbage
Fine Paper Recycling
Plastic Bags: Shop at Your Own Risk
Your Household As a Producer of Toxic Wastes
Excess Packaging in the Supermarket

The OPIRG resource library offers an alternative to academic, government, and business information libraries and is open to the public. Call to make an appointment prior to visiting the resource library.

Pollution Probe

Tel.: (416) 926-1907 Fax: (416) 926-1601
12 Madison Avenue, Toronto, ON M5R 2S1
Office hours: 9:00 a.m. to 5:00 p.m. E.S.T. weekdays
Web site: <http://www.web.net/pprobe>
e-mail: pprobe@web.net

Pollution Probe started a Clean Air Campaign in 1993 to promote the reduction of smog and ground-level ozone concentrations by the year 2000, so that these concentrations will no longer exceed Health Canada guidelines. Pollution Probe has published some documents about air quality including a paper *Behind the Smokescreen: the State of Canada's Air Quality (October 1992)*, which can be obtained for \$12.00 plus postage and handling. Pollution Probe also produces a free pamphlet on smog, *Pollution Probe is Working Hard for Clean Air*, and an information booklet on air pollution that is available for \$4.00. Most Pollution Probe documents are available for reference at the Canadian Environmental Law Association Library at (416) 960-2284, open 1:00 p.m. to 5:00 p.m. Tuesday, Thursday and Friday.

Sierra Club of Canada (Eastern Canada Chapter)

Tel.: (416) 960-9606 Fax: (416) 960-0020
517 College Street Suite 204, Toronto, ON M6G 4A2
Office hours: 9:30 a.m. to 4:00 p.m. E.S.T. weekdays
e-mail: sierraec@interlog.com

The Sierra Club is a non-profit organization dedicated to the preservation of wilderness. Sierra Club members participated in the study of landfill sites in the Metro Toronto area and have contributed an environmental perspective to the Ontario Hydro demand/supply study. The Sierra Club's primary focus recently has been their Groundwater Campaign, sulphur in home heating fuel, and the promotion of outdoor activities. The Sierra Club has executive committees for membership, fundraising, outings, urban environment, Great Lakes, James Bay, and wildlife and parks.

The St. Lawrence River Institute of Environmental Sciences

Tel.: (613) 936-6620 Fax: (613) 936-1803
1111 Montreal Road, Suite 144, Cornwall, ON K6H 1E1
Web site: <http://www.cybermall.cornwall.on.ca/slries/>
e-mail: slries@glen-net.ca

The St. Lawrence River Institute of Environmental Sciences is a community-based research facility dedicated to the study of the St. Lawrence River ecosystem. The institute provides the academic and technical expertise; the St. Lawrence River provides an outstanding natural laboratory; the region will provide the social, economic and political context — a rare environmental partnership in research. Activities and projects that have been proposed include taste and odours; mercury contamination; PCB contamination; water treatment research, sedimentation research, native interaction with the environment; river flora research, sewage treatment methods, public health and the environment; remediation technology and environmental perceptions, attitudes and values.

The Canadian Water Quality Association (CWQA)

Tel.: (416) 695-3068 Fax: (416) 695-2945
295 the West Mall, Suite 330, Etobicoke, ON M9C 4Z4
e-mail: cwqa@ican.net

The purpose of the Canadian Water Quality Association is to promote the individual right to quality water, the dissemination of water quality information, and the growth of the water quality improvement industry. The CWQA educates water quality professionals and serves as a unified voice in government and public relations. Several publications and audiovisual materials are available including:

Water — It's What We Make It — A Glossary of Terms and Other Valuable Information
Lead — A Consumer Issue — Questions Answered About Lead and Drinking Water
Sodium in Water and Your Health — Questions and Answers

Women and Environments Education and Development Foundation (WEED)

Tel.: (416) 516-2600 Fax: (416) 531-6214 (Shared fax -indicate WEED on fax)

736 Bathurst St., Toronto, ON M5S 2R4

Web site: <http://www.web.net/~weed>

e-mail: weed@web.net

The Women and Environments Education and Development Foundation is registered charitable non-profit umbrella organization. Current projects include a 20-year-old quarterly, WE International (formerly Women and Environments magazine), the Women's Network on Health and the Environment and the "Stop the Whitewash" campaign, which encourages individuals to stop using bleached paper products.

World Wildlife Fund (WWF)

Tel.: (416) 489-8800 or 1-800-267-2632 Fax: (416) 489-3611

90 Eglinton Avenue East, Suite 504, Toronto, ON M4P 2Z7

Web site: <http://www.wwfcanada.org>

The World Wildlife Fund is a non-profit conservation organization dedicated to saving the diversity of life on Earth. One of WWF Canada's four conservation programs deals with the impact of toxic chemicals on wildlife. Pesticide reduction is one of the key activities under this program. The program also deals with the impact of endocrine disrupting chemicals on wildlife.

Directories

Association of Occupational and Environmental Clinics (AOEC) Membership Directory

Tel.: (202) 347-4976

Published by the AOEC, 1010 Vermont Avenue, N.W., #513, Washington, D.C. 20005;

US\$10 for non-members, free for members

The directory lists AOEC clinics, and for each clinic, describes staff, specialized services, non-routine tests, most common diagnoses seen, and training offered. It is intended for health professionals and health units.

Case Studies in Environmental Medicine, Agency for Toxic Substances and Disease Registry (ATSDR)

Tel.: (404) 639-6322 Fax: (404) 639-6324

ATSDR (E33), Division of Health Education, 1600 Clifton Road NE, MS E33, Atlanta, Georgia 30333

Free

Case Studies in Environmental Medicine are self-instructional educational materials designed to guide health professionals through the diagnosis, treatment, and surveillance of persons exposed to hazardous substances. The *Case Studies in Environmental Medicine* have been approved for continuing medical education (CME) credit for physicians and continuing education units (CEU) for other health professionals. Topics include: Arsenic, Asbestos, Benzene, Beryllium, Cadmium, Carbon Tetrachloride, Chlordane, Cholinesterase Inhibitors, Chromium, Cyanide, Dioxin, Ethylene/Propylene Glycol, Exposure History, Gasoline, Jet Fuels, Lead, Mercury, Methanol, Methylene Chloride, Nitrate/Nitrite, Phenol, Polyaromatic Hydrocarbons, Polychlorinated Biphenyls, Radiation, Radon, Reproductive and Developmental Hazards, Skin Lesions, Stoddard Solvent, Tetrachloroethylene, Toluene, 1,1,1-Trichloroethane, Trichloroethylene, and Vinyl Chloride.

Clinical Issues in Environmental Epidemiology (30-60 minute videos)

Tel.: (202) 347-4976 Fax: (202) 347-4950

Available from Association of Occupational and Environmental Clinics (AOEC), 1010 Vermont Avenue, N.W. #513, Washington, D.C. 20005.

They may be rented from AOEC for US\$10 to cover postage costs.

Video topics include public health context of clinical aspects of environmental exposure; clinical evaluation of suspected environmental and/or occupational illnesses; assessing environmental exposures; toxicology: a problem-solving approach; neurotoxicology; sensitivity, allergy, and the immune system; paediatric aspects of environmental epidemiology.

Directory of Great Lakes Education Material

Published by the International Joint Commission, Great Lakes Regional Office, 100 Ouellette Avenue, Eighth Floor, Windsor, ON N9A 6T3

Tel.: (519) 257-6700 Fax: (519) 257-6740

Intended for educators, the directory includes audiovisual materials, books, booklets, instructional materials, newsletters, pamphlets, periodicals/serials/journals, and special reports. Latest edition is 1992 and will possibly be updated in 1997-98.

Environmental Resource Book

Published by the Ontario Environment Network, 25 Douglas Street, Guelph, ON N1H 2S7;

Tel.: (519) 837-2565 Fax: (519) 837-8113

e-mail: oen@web.net

\$10 for members, individuals and non-profit organizations; \$20 for governments or institutions; \$25 businesses; \$10 each for bulk orders over 10 copies.

A directory of Ontario's environmental groups and their print and audiovisual resources.

Exposure History: A Key to Better Care of Your Patients

Connecticut Department of Public Health, Division of Environment, Epidemiology and Occupational Health, 410 Capitol Avenue, MS 11CHA, Hartford, Connecticut 06134

Tel.: (203) 509-7742

Free

A 30-minute video, produced in 1991, that introduces physicians to taking exposure histories, interview techniques, pertinent history questions, etc.

Great Lakes Education Speakers Bureau Directory

Published by the Great Lakes Commission, The Argus II Building, 400 Fourth St., Ann Arbor, MI 48103-4816;

Tel.: (313) 665-9135

Free

The directory lists experts from the Great Lakes region who are available to visit classrooms and educate students on water quality, fisheries, geology, waste management, recreation, history and many other subjects. It is intended for educators and the latest issue was published in 1989.

Great Lakes Research Consortium: 1996/97 Directory of Participants

Published by Great Lakes Research Consortium, 24 Bray Hall, SUNY College of Environmental Science and Forestry, Syracuse, NY 13210;

Tel.: (315) 470-6720

Free

A listing of the Board of Governors, campus representatives, participating faculty (NY), Ontario campus representatives, and participating faculty (Ontario).

Great Lakes Research Consortium: Compendium of Projects

Published by Great Lakes Research Consortium, 24 Bray Hall, SUNY College of Environmental Science and Forestry, Syracuse, NY 13210;

Tel.: (315) 470-6720

Free

A listing of 1996-97 research projects in the Great Lakes basin conducted for the United States and Canada.

Great Lakes — St. Lawrence Research Inventory 1991/1992

Published by the International Joint Commission, Great Lakes Regional Office, 100 Ouellette Avenue, Eight Floor, Windsor, ON N9A 6T3

Tel.: (519) 257-6700 Fax: (519) 257-6740

or P.O. Box 32869, Detroit, Michigan 48232-2869

Tel.: (313) 226-2170

Free

An extensive list of agencies, institutions, research programs and funds, intended for resource managers and research community.

A Practical Introduction to Environmental Management on Canadian Campuses

Renouf Publishing Company Limited, 5369 Canotek Road, Unit 1, Ottawa, ON K1J 9J3

Tel.: (613) 745-2665

\$12.95 plus shipping and handling and GST

This book outlines the environmental management tools and systems that can be applied at universities and colleges to tackle environmental challenges in areas such as management and decision-making systems, environmental auditing and assessment, energy, water, solid waste, hazardous materials, and transportation.

Health and Environment Digest

Freshwater Foundation, Gray Freshwater Centre, 2500 Shadywood Road, Navarre, MN 55331

Tel.: (612) 471-9773 Fax: (612) 471-7685

US\$90 for government, US\$115 for private sector.

This independent monthly digest covers the health effects of air, water, and soil contaminants. Each issue contains concise feature and commentary articles by leading experts, plus briefings on research, policy, risk assessment, and risk management projects in the United States and Canada. Articles are reviewed by a national expert editorial board.

Health and Environment Organization Network for the Lake Erie Basin

Great Lakes United, SUCAB-Cassety Hall, 1300 Elmwood Avenue, Buffalo, New York 14222

Tel.: (716) 886-0142

Free

This directory lists health and environmental groups concerned about human health and the Great Lakes ecosystem. It focusses on eight Areas of Concern in Lake Erie, including Raisin River, Maumee River, Black River, Cuyahoga River, Ashtabula River, Presque Isle Bay, and Buffalo River along the U.S. shoreline, and Wheatley Harbour along the Canadian shoreline, and was published in 1992.

Lake Ontario Health and Environment Directory — A LOON Project

Atlantic States Legal Foundation, 658 West Onondaga Street, Syracuse, New York 13204-3757

Tel.: (315) 475-1170

e-mail: aslf@igc.apc.org

Available for the cost of postage

Lists groups and organizations in the Lake Ontario basin that have environmental concerns or health concerns related to environmental issues. Latest edition 1991.

Medical Management Guidelines for Acute Chemical Exposures (MMGs)

Agency for Toxic Substances and Diseases Registry (ATSDR), U.S. Department of Health and Human Services, Centres for Disease Control and Prevention, 1600 Clifton Road, MS E28, Atlanta, Georgia 30333

Tel.: (404) 639-6204

Free

These guidelines are intended for health professionals, paramedics, and emergency medical personnel. They cover Acrylonitrile, Ammonia, Aniline, Arsine, Benzene, Chlordane, Chlorine, Ethylene Oxide, Formaldehyde, Gasoline, Hydrochloric Acid, Hydrogen Cyanide, Hydrogen Fluoride, Hydrogen Peroxide, Hydrogen Sulfide, Methyl Bromide, Methylene Chloride, Nitrogen Oxide, Parathion, Phenol, Phosgene, Phosphine, Sodium Hydroxide, Trichloroethylene, Toluene, Toluene Diisocyanate, Xylene.

Electronic Databases

The following is a guide to electronic databases containing information on the environment and health. Electronic databases generally contain very recent information, as well as many years of historical information. They offer the advantage of allowing a rapid search on a specific topic through millions of citations. Most databases supply reference information needed to find the documents or articles cited (title, author, date, etc.) and usually include an abstract that briefly summarizes each citation. Some databases hold full text information rather than referring the user to documents and articles.

Someone who needs only occasional searches is best served by consulting a librarian in a public or university library, and commissioning the search for a fee. The librarian or information specialist will discuss the information needs and the databases that will most probably contain the information; will give an idea of costs; and will conduct the search and provide a printout of retrieved records. For someone who will be searching relatively frequently on a few databases, and has the time to learn the command structure and some basic search techniques, it may be worthwhile to obtain passwords and do their own searching.

Whether you decide to have a search done by a librarian, or do the search yourself, there are a number of things to consider. Nearly all of these databases have costs associated with them, and for some the cost is quite high (e.g., CA Search is US\$90 per hour plus fees per title to download or print). Each database is unique in the way it is to be searched. In addition, each database supplier (e.g., DIALOG or STN International) has its own set of commands for searching. This means that searching these databases may require a fair bit of preparation ahead of time using special documentation, in order to find the information that is needed. Finally, access to most databases is through an annual subscription fee with the database supplier or, through an annual subscription for the database on CDROM. Please note that many of these database suppliers are available on the Internet.

Information for the suppliers of the databases in this inventory is given below (this list is not exhaustive).

Database Suppliers

CCOHS, Canadian Centre for Occupational Health and Safety

250 Main Street E., Hamilton, ON L8N 1H6
Tel.: (416) 572-2981, 1-800-263-8276

CIS, Chemical Information Systems, Oxford Molecular Group

810 Gleneagles Court, Ste. 300, Towson, MD 21286
Tel.: (410) 321-8440, 1-800-247-8737

CISTI, Canada Institute for Scientific and Technical Information, National Research Council

Building M-55, Ottawa, ON K1A 0R6
Tel.: (613) 993-3854

DIALOG Information Services, Knight-Ridder Information

2440 W. El Camino Real, Mountain View, CA 94040
Tel.: (415) 254-8800, 1-800-334-2564

DIMDI

Weisshausstr. 27, Postfach 420580, D-5000 Cologne 41, Germany

Environmental Canada, Departmental Library

10 Wellington St. Hull, Quebec, K1A 0H3
Tel.: (819) 997-1767

IHS Canada

20 Victoria St., Toronto, Ontario, M5C 2N8
Tel.: (416) 362-5211, 1-800-387-2689

MEDLARS, Canada Institute for Scientific and Technical Information

National Research Council, Ottawa, ON K1A 0S2
Tel.: (613) 993-1604

Syracuse Research Corporation, Life and Environmental Sciences Division

Merrill Lane, Syracuse, NY 13210
Tel.: (315) 426-3200

STN International, Chemical Abstracts Service

2540 Olentangy River Road, P.O. Box 3012, Columbus, Ohio, 43210-0012
Tel.: 1-800-753-4227

Databases***BIOSIS Previews***

Contains more than 8 million citations, with abstracts, to the worldwide literature on research in the life sciences — microbiology, plant and animal science, experimental medicine, agriculture, pharmacology, ecology, biochemistry, bioengineering, and biophysics. From 1969. (Source: DIALOG, STN)

CAB Abstracts

Contains more than 2.8 million citations, with abstracts, to worldwide literature in the agricultural sciences and related areas of applied biology — crop production, protection, and post-harvest technology; horticulture; soils and fertilizer technology; agricultural biotechnology; and rural development and sociology. Related fields include human nutrition, mycology, entomology, parasitology, and leisure, recreation, and tourism. From 1972. (Source: DIALOG, STN)

CA Search

Contains approximately 9 million citations to the worldwide literature in chemistry: organic, analytic, physical, applied, macromolecular, biochemical, and chemical engineering. From 1967. (Source: DIALOG, STN)

Canadian Health and Safety Legislation Plus Standards

Contains a collection of Canadian health and safety legislation for all federal, provincial and territorial jurisdictions together with standards relating to occupational health and safety, electrical and mechanical mine safety, and environmental substances. (Source: CCOHS)

Canadian Research Index/Microlog

Contains references to Canadian government documents (federal, provincial, and municipal), as well as non-government research institutes and associations; coverage is from 1982 to the present. (Source: IHS Canada)

Canadian Studies/Etudes Canadiennes

Contains citations to current or recently completed studies in occupational health and safety by Canadians or about the Canadian workplace. From 1981. (Source: CCOHS)

Canadiana

Contains citations to documents published in Canada or about Canadian subjects, or by Canadian authors, and relating to occupational health and safety. (Source: CCOHS)

Case Law/Jurisprudence

Provides summaries of legal cases and decisions related to occupational safety and health for jurisdictions across Canada. (Source: CCOHS)

CCRIS (Chemical Carcinogenesis Research Information System)

Developed and maintained by the U.S. National Cancer Institute. Contains carcinogenicity, tumour promotion and mutagenicity test results that have been reviewed by experts in carcinogenicity. Test results and studies conform to accepted expert criteria and protocols. Produced by the National Library of Medicine. From 1971. (Source: MEDLARS, CIS)

CESARS (Chemical Evaluation Search and Retrieval System)

CESARS is jointly produced by the Michigan Department of Natural Resources and the Ontario Ministry of Environment and Energy. It contains toxicological data on approximately 250 chemicals. Each record represents one chemical, and may provide up to 120 data items, covering physical and chemical properties, toxicity (acute and chronic, animal and human), phytotoxicity, carcinogenicity, reproductive and developmental effects, other adverse effects, bioaccumulation and bioconcentration, transport and general fate, transformation processes and analysis and treatment. Ontario Environmental Assessment scores and discussion are also provided. From 1962. (Source: CCOHS, CIS).

CHRIS (Chemical Hazard Response Information System)

The database was first developed by the U.S. Coast Guard in 1985; it is a non-bibliographic file containing the information on the following categories: response to discharge; chemical designations; observable characteristics; health hazards; fire hazards; chemical reactivity; water pollution; shipping information; hazard classifications, and physical and chemical properties. (Source: CIS)

CIS/ILO (English/French)

Bilingual database produced by the International Occupational Safety and Health Information Centre. It contains bibliographic references to international occupational health and safety literature. (Source: CCOHS)

Chemical Safety NewsBase (CSNB)

Contains more than 27 000 citations, with abstracts, to the worldwide literature on occupational hazards in the chemical industry, and to hazards in chemical, biochemical, medical, and other types of laboratories. It covers chemical reactions, fires and explosions, biological hazards, transportation and storage of chemicals, waste management, legislation and standards for industrial chemical usage, laboratory design and management, and emergency planning. It does not cover well known hazards unless new information is provided. From 1981. (Source: DIALOG)

CHEMINFO

Contains descriptive, health, and precautionary data on pure chemicals, natural substances, and chemical mixtures resulting from or used in industrial processes. It gives information about uses and occurrences, physical properties, appearance, reactivity, warning properties, human health effects from acute or chronic exposure, etc. Current information. (Source: CCOHS)

CISTIMON

Monographs catalogued by the Canada Institute for Scientific and Technical Information, the library of the National Research Council. (Source: CISTI)

Clinical Toxicology of Commercial Products (CTCP)

Contains chemical and toxicological information on over 20 000 commercial products (excluding food products) derived from 3000 chemicals. Included are data on toxicity, symptoms, and treatments. (Source: CIS)

ELIAS

Contains the holdings of Environment Canada's Departmental Library network, and a collection from Fisheries and Oceans. References include books, conference proceedings and technical reports. (Source: Environment Canada Departmental Library)

EMBASE (*Excerpta Medica*)

Contains more than 4.7 million citations, with abstracts, from more than 4500 journals representing the worldwide biomedical literature on human medicine and areas of biological sciences related to human medicine. Coverage includes drug adverse reactions, drug effects, environmental health and pollution control, microbiology, occupational health and industrial medicine, pharmacology, public health, and toxicology. Includes EMHEALTH with 500 000 citations to the literature on public health; and EMTOX with 375 000 citations to the literature on drug toxicity and environmental toxicology. From 1974. (Source: DIALOG, STN)

Enviroline

Contains 140 000 references to the worldwide literature on environmental topics, such as air, water and noise pollution, management of land and water resources, environmental impact of contaminants, solid wastes, weather modification, wildlife and population planning. From 1971. (Source: DIALOG)

Environmental Bibliography

Contains more than 426 000 citations to literature on the environment, including water, air, soil, and noise pollution, solid waste management, recycling and reduction, health hazards, and urban planning. From 1973. (Source: DIALOG)

Environmental Chemicals Data and Information Network (ECDIN)

Contains information on chemical substances in the environment, providing chemical identification data on approximately 122 400 chemical compounds, acute toxicity data on approximately 20 000 compounds, and additional data for some 3600 chemical substances. From 1970. (Source: DIMDI, from the Commission of the European Communities)

Environmental Fate (ENVIROFATE)

Contains more than 13 000 records of information on the environmental fate or behaviour of approximately 800 chemicals released into the environment. Chemicals selected for inclusion are produced in quantities exceeding 1 million pounds per year. From 1970 to 1991, updated irregularly. (Source: CIS)

Environmental Fate Data Bases

Consists of four interrelated files of information on the fate (i.e., transport and degradation) of organic chemicals (including hydrocarbons and halogen-, nitrogen- and sulfur-containing compounds) released in the environment. The files are DATALOG (organic chemicals and metals), CHEMFATE (data on 1730 chemicals from DATALOG), BIOLOG (literature on microbial degradation and toxicity), and BIODEG (results of experiments testing biodegradable/properties of more than 700 chemicals). Updated quarterly. (Source: Syracuse Research Corporation).

Food Science and Technology Abstracts

Produced by the International Food Information Service in England; bibliographic references from 1969. (Source: DIALOG, STN)

HSDB Record (Hazardous Substances Data Bank)

Factual, non-bibliographic file; contains information on the toxicology of potentially hazardous chemicals. Major areas covered include manufacturing/use; chemical and physical properties; safety and handling; toxicity/biomedical effects; pharmacology; environmental fate/exposure potential; exposure standards and regulations; and monitoring and analysis methods. Data are extracted from standard texts and monographs, government reports and journal articles. Complete references are given for each item of information. All data are peer reviewed. (Source: CCOHS, DIALOG, MEDLARS, STN)

Integrated Risk Information System (IRIS)

This EPA database contains chemical specific risk information on over 400 chemicals. For each chemical, IRIS has an electronic file that may contain one or more of the following: oral and/or inhalation reference dose; health hazard assessment for noncarcinogenic effects; carcinogenicity assessment for lifetime exposure; health hazard assessments for varied exposure durations; drinking water health advisory; risk management summary; supplementary data; U.S. EPA regulatory actions; and synonyms. (Source: CIS, MEDLARS)

MEDLINE

Contains more than 6.8 million references to the world journal literature covering biomedicine, including research, clinical practice, administration, policy issues, and health care services. From 1964. (Source: DIALOG, CIS)

MSDS/FTSS (Material Safety Data Sheets)

Contains over 115 000 manufacturer and supplier Material Safety Data Sheets, that provide hazard and safety information on chemical products used in the United States and Canada. It supports compliance with Hazard Communication and Right-to-Know requirements. Updated quarterly. (Source: CCOHS, STN)

MSDS-OHS (Material Safety Data Sheets)

Contains health and safety, toxicity, and chemical property data for over 15 000 pure substances and 35 000 mixtures. These substances represent commonly used industrial chemicals. Sources include books, journals, and research reports as well as the EPA, OSHA, and NIOSH. Updated quarterly. (Source: DIALOG, STN)

NiPERA CAB (Current Awareness Bulletin)

Produced by the Nickel Producers' Environmental Research Association to develop and disseminate information on any health or environmental effects that might be associated with the production and use of nickel, its compounds and alloys. The database contains other pertinent information that is not included in the printed copy of the CAB, such as nickel compounds, route of exposure and animal species. (Source: CCOHS)

NIOSHTIC

Contains more than 169 000 citations to literature on occupational safety and health. It covers toxicology, epidemiology, pathology, occupational medicine, health physics, injury prevention, ergonomics, biochemistry, physiology and metabolism, education and training, biological hazards and hazardous wastes. From 1900. (Source: CCOHS, DIALOG)

NTIS Bibliographic Data Base (U.S. National Technical Information Service)

Contains bibliographic descriptions of approximately 1.5 million unrestricted technical reports from U.S. and non-U.S. government sponsored research, development and engineering analyses. Major areas covered include the biological, social and physical sciences. From 1964. (Source: STN, DIALOG)

Pollution Abstracts

Contains more than 175 000 citations to the literature on pollution research, sources, and controls. It covers air, water, land, thermal, noise, and radiological pollution; pesticides; sewage and waste treatment; environmental action; and toxicology and health. From 1970. (Source: DIALOG, STN)

Resource Organizations/Organismes Resources

Contains current information on Canadian organizations and agencies in the field of occupational health and safety. (Source: CCOHS)

Resource People/Personnes Resources

Contains current information on Canadians working in occupational safety and health fields. (Source: CCOHS)

RTECS Record (Registry of Toxic Effects of Chemical Substances)

Compilation of acute and chronic toxic effects studies/data including mutagenicity, carcinogenicity, skin and eye irritations, general toxicity, reproductive studies, threshold limit value, NIOSH recommendations, standards and regulations, and U.S. federal program status. References are cited for the individual research reports from which the data have been taken. These documents are not peer reviewed; not all of them are updated on a regular basis. (Source: CCOHS, DIALOG, MEDLARS, STN)

SEDBASE

Contains references to more than 54 000 significant adverse drug reactions and drug interactions reported in the worldwide biomedical literature. From 1982. (Source: DIALOG)

TOXLINE

Contains more than 1.6 million citations, with abstracts, to the literature in all areas of toxicology, including chemicals and pharmaceuticals, pesticides, environmental pollutants, and mutagens and teratogens. It includes the following files: Aneuploidy, CIS Abstracts, Environmental Mutagen Information Center File, Environmental Teratology Information System, Epidemiology Information System, Hazardous Materials Technical Center, International Pharmaceutical Abstracts, NIOSH Technical Information Center Database (NIOSH TIC), Pesticides Abstracts, Poisonous Plants Bibliography, Toxic Substances Control Act Test Submissions, Toxicity Bibliography, Toxicological Aspects of Environmental Health, Toxicology Research Projects, Toxicology Document and Data Depository (NTIS). From 1965. (Source: DIALOG, MEDLARS, STN)

WasteInfo

(Available on-line only on ORBIT) Contains bibliographic references from 1970 on all aspects of non-nuclear waste management with extensive coverage in the areas of waste treatment and disposal, waste recycling, environmental hazards of wastes, waste management policy, guidelines, legislation, regulations, economics and more.

Water Resources Abstracts

Water Resources Abstracts (WRA) is prepared from materials collected by over 50 water research centers and institutes in the United States. The file covers a wide range of water resource topics including water resource economics, ground and surface water hydrology, metropolitan water resources planning and management, and water-related aspects of nuclear radiation and safety. (Source: DIALOG)

WATERNET

WATERNET provides a comprehensive index of premier publications relating to water and waste water. Information sources include international coverage of books, journal articles, government reports, conference proceedings, handbooks, manuals, selected technical reports, in addition to all American Water Works Association and American Water Works Association Research Foundation materials. (Source: DIALOG)