

Appendix: Quebec Database Descriptions

EcoLog Environmental Risk Information Services Ltd can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to EcoLog ERIS at the time of update. **Note:** Databases denoted with "*" indicates that the database will no longer be updated. See the individual database descriptions for more information.

Provincial Government Source Databases:

Certificates of Approval - Agriculture 1980-Sept 2006

AGRI

This database is directly linked to the Pig Farming database and contains historical and current information regarding the status of not only pig farms, but all other livestock farming as well. It explains the nature of the request for the certificate of approval (enlargement of manure pit, pig raising farm installation, etc.) and reveals whether the farm is still presently in use or not.

Authorized Waste Disposal Sites Up to Sept 2010

AWDS

This database was obtained from the Quebec Ministère du Développement durable, de l'Environnement et des Parcs (MDDEP) and identifies a list of authorized Waste Disposal Sites in-use in the province of Quebec. These landfill sites contain non-hazardous materials.

Certificates of Authorization 1995-Mar 2011

CA

The Certificates of Authorization database was collected from the Québec Ministère du Développement durable, de l'Environnement et des Parcs and contains such information as the issue and expiry date of the approval, to whom it was granted, the reason for the request and the location in which it took place. Certificates are issued for road, rail, and plant construction/expansion, landfill expansions, hazardous materials recovery and waste water treatment to name a few. Please note that actual address locations are not provided for all records but can be obtained from the Ministry on a case-by-case basis.

Convictions 1995-Jul 2011

CONV

Individuals or companies convicted of committing an offense under Quebec environmental laws and/or regulations, within the province of Quebec, are included in the Convictions database. This database was obtained from the Quebec Ministère du Développement durable, de l'Environnement et des Parcs (MDDEP) and holds such key information as: company/individual name, type of infringement, offence date, conviction date, city, total fines, and the environmental law or regulation against which the offense was committed.

Contaminated Site Inventory 1984-Oct 2011

CS

The Quebec Ministère du Développement durable, de l'Environnement et des Parcs (MDDEP) holds an up-to-date database on its contaminated sites. The database contains information regarding the location of the contaminated site and its land use (industrial, commercial, residential, agricultural, etc.), the types of contaminants found on the site and whether it is presently in use or not. In addition, it also contains information on sites that have gone through some sort of rehabilitation (clean up). This is a dynamic database that is subject to periodic up-dates.

Inventory of Soil and Industrial Waste Disposal Sites 1984-Oct 2011

HWDS

In 1983, the Quebec Ministère du Développement durable, de l'Environnement et des Parcs (MDDEP) created GERLED (le Groupe d'étude et de restauration des lieux d'élimination de déchets dangereux) with the intention of creating an inventory list of hazardous waste disposal sites located within the territory of Québec. A list of these sites was published in 1984. As a result, the GERLED program was created whereby the Québec government could determine the level of contamination of each site, the potential health and environmental risks each site posed and implement any necessary corrective measures. The sites listed in the inventory were classified according to three categories of potential risk – classes 1, 1R; 2, 2R; and 3, 3R with 1 being of highest potential health and public risk and 3 being of least. A fourth class, class D (declassified), refers to sites that have gone through rehabilitation and, as a result, are no longer considered as posing any kind of direct or indirect contamination risk to their surrounding environment and/or population. The GERLED name has since been replaced by the name "Inventory of soil and industrial waste disposal sites".

Hazardous Waste Management Permits Up to Oct 2011

HWM

Section 70.9 from the *Quebec Environmental Quality Act* defines the criteria that would require a permit issued by the Minister for the purpose of managing hazardous waste materials. According to the act, there are five types of permits and any person who generates, receives, or uses hazardous waste materials is required to have such a permit. This database contains company name, address, permit type held, nature of the permit, and both the effective and expiry dates of permits.

Petroleum Equipment Usage Permits Up to Oct 2011

PEP

The Petroleum Equipment Usage Permits database is a regularly updated database once maintained by the Québec Ministry of Natural Resources and now maintained by Régie du Bâtiment Québec. Such information as: corporate name of license holder, address, license issue and expiration date, as well as, authorized capacity (litres) and authorized tank numbers for each site are all provided.

Pesticide Register 1988-Mar 2011

PES

The pesticides database is a list of all pesticide vendors in the province of Quebec of either wholesale or retail distribution. A permit is required for the sale of pesticides at the wholesale level for sale of pesticides between classes 1 to 5. A permit for retail sale is required for the sale of pesticides between classes 1 to 4 or class 4 solely. The Quebec classification system is directly related to the federal classification system in that, classes 1 and 2 refer to the federal definition of restricted pesticide use, class 3 refers to the commercial, agricultural or industrial use of pesticides and classes 4 and 5 to the domestic use of pesticides.

Quebec Oil and Gas Wells 1860-1999*

QOGW

The Quebec Oil and Gas Wells database was collected from the Quebec Ministry of Natural Resources and is a comprehensive database that includes information such as well id number, well name, operator, location, depth and status, as well as, drill date and drill type. Oil and gas well locations were plotted geographically using x and y coordinates. Please note that this database will not be updated, information on wells drilled after 1999 can be found in the Oil and Gas Wells (OGW) database under the 'Private Source Database' section.

Water Treatment Plants 1980-Sept 2006

WTP

This database includes records for water treatment plants considered in service as of August 2001 and including records from as early as 1980. For each plant, the type of treatment (e.g. Aerated Lagoon [EA], Septic Tank [FS]) is available as is the plant's average turnover, average load, and the number of people it services.

Hydrogeological Information System 1978-Jul 2011

WWIS

This database, is officially known as the "Quebec Hydrogeological Information System" and is collected from the Québec Ministère du Développement durable, Environnement et Parcs. The database holds over 142,000 records on water wells and boreholes and information such as well year, well depth, date pumped, project description, stratigraphy, type of material, static level, diameter, flow and drilling method are reported to name a few. Well locations were plotted geographically using x and y coordinates.

Federal Government Source Databases:**Diagram Identifier:****Environmental Effects Monitoring 1992-2007*****EEM**

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Environmental Issues Inventory System 1992-2001***EIIS**

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Federal Convictions 1988-Jun 2007**FCON**

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Contaminated Sites on Federal Land June 2000-Sept 2011**FCS**

The Treasury Board of Canada Secretariat maintains an inventory of all known contaminated sites held by various Federal departments and agencies. This inventory does not include properties owned by Crown corporations, but does contain non-federal sites for which the Government of Canada has accepted some or all financial responsibility. All sites have been classified through a system developed by the Canadian Council of Ministers of the Environment. The database provides information on company name, location, site ID #, property use, classification, current status, contaminant type and plan of action for site remediation.

Fisheries & Oceans Fuel Tanks 1964-Sept 2003**FOFT**

Fisheries & Oceans Canada maintains an inventory of all aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Indian & Northern Affairs Fuel Tanks 1950-Aug 2003**IAFT**

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of all aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

National Analysis of Trends in Emergencies System (NATES) 1974-1994***NATE**

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

National Defence & Canadian Forces Fuel Tanks Up to May 2001***NDFT**

The Department of National Defence and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

National Defence & Canadian Forces Spills Mar 1999-Aug 2010

NDSP

The Department of National Defence and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the “Transportation of Dangerous Goods Act - 1992”. Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

National Defence & Canadian Forces Waste Disposal Sites 2001-April 2007

NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

National Energy Board Wells 1920-Feb 2003*

NEBW

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date. Data is not available after Feb 2003.

National Environmental Emergencies System (NEES) 1974-2003

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for all previous Environment Canada spill datasets. NEES is composed of the historic datasets – or Trends – which dates from approximately 1974 to present. **NEES Trends** is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

National PCB Inventory 1988-2008

NPCB

Environment Canada’s National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. All federal out-of-service PCB containing equipment and all PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada’s mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites.

National Pollutant Release Inventory 1993-2009

NPRI

Environment Canada has defined the National Pollutant Release Inventory (“NPRI”) as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Parks Canada Fuel Storage Tanks 1920-Jan 2005

PCFT

Canadian Heritage maintains an inventory of all known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Transport Canada Fuel Storage Tanks 1970-March 2007

TCFT

Within the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

Private Source Databases:

Anderson's Waste Disposal Sites 1930-March 2007

ANDR

The Anderson database uses historical documentation to locate and characterize the likely positions of former waste disposal sites in Quebec. For most sites, more comprehensive information is available, to which EcoLog ERIS can arrange rapid access at an additional cost. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources.

Automobile Wrecking & Supplies 2001-Jun 2010

AUWR

This database provides an inventory of all known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Chemical Register 2000-Jun 2010

CHEM

This database includes a listing of locations of facilities within Quebec that either manufacture and/or distribute chemicals.

ERIS Historical Searches 1999-Sept 2011

EHS

EcoLog ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Canadian Mine Locations 1998-2009

MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Oil and Gas Wells 1988-2011

OGW

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickles' database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Canadian Pulp and Paper 1999, 2002, 2004, 2005, 2009

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Retail Fuel Storage Tanks 2000-Jun 2010

RST

This database includes an inventory of known fuel outlet locations (including marinas) that have on their property gasoline, waste oil, natural gas and/or gas propane storage tanks.

Scott's Manufacturing Directory 2000-Mar 2011

SCT

Scott's Directories is a data bank containing information on over 35,000 manufacturers in Quebec. Even though Scott's listings are voluntary, it is the most comprehensive database of Quebec manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.