

# QUEBEC SHORT PRESENTATION ON THE NATIONAL WORK REGARDING CONTAMINATED SITES

6TH MEETING OF THE INTERNATIONAL COMMITTEE  
ON CONTAMINATED LAND

PARIS  
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# DIMENSION AND POPULATION

- 1 540 680 km<sup>2</sup>
- 8 millions inhabitants

# Le Québec



# Known Contaminated Sites

- Two public (Internet) inventories register all contaminated sites and waste depot known by the Quebec Environment Ministry:
  - 6 446 contaminated sites
  - 326 soil and industrial waste depot.
- Some of those sites have been cleaned up

# Known Contaminated Sites

- The public (Internet) Federal contaminated sites and solid waste landfills inventory register all sites owned by federal government ministries on Quebec federal own land :
  - 481 sites
- Total registered «contaminated» sites in Quebec:  
7 253

# Known Contaminated Sites

- Many more are still unknown and will be discovered and assessed and eventually cleaned up when:
  - Industrial or commercial activities of a category designated by regulation will permanently cease their activity;
  - Any person will have the intention to change the land use on a site where a designated activity operate or had operated;
  - Industries will have to assess their properties to conform to the PRRI PROGRAM (about 300 industries)
  - Cities will proceed to public works
  - Impacts on the Environment will be noted
  - An order will be given by the ministry

# Potential Total Contaminated Sites

- 30 000? 50 000?

# Treatment and Landfilling

- 31 treatment centres implemented
  - Biological (27) (334 888 tons)
  - Thermal (2) (52 873 tons)
  - Physico-chemical (2) (44 949 tons)
  - Total 2004 (82,2%) (432 710 tons)
- 4 secure landfill sites for contaminated soils
  - Total 2004 (93 548 tons) (17,8%)

Total 2004 : 528 258 tons



# Annual and over all Budget for the Work on Contaminated Sites

- Central Office: 1 million \$
- Regional Offices (17): 2.4 millions \$
- Orphan Sites : 1.4 million \$
- Total: 4.8 millions \$
- Revi-Sols (1998-2005) : 15 millions \$

## Number of Persons at Authorities involved in the Work

- Central Office: 14
- Regional Offices (17): 36
- External experts acknowledged by the ministry (formation/10 years/insurance/exams) to certified (assessment/notice on land title/cleanup completion/redevelopment compatibility) : 79

# Revi-Sols Incentive Program

- 1998-2005
- 114 millions \$ governmental loans (50/70% total assessment and cleanup cost)
- To anyone: for redeveloping a contaminated sites in a urban area (only concrete projects)
- Municipality: for redeveloping a contaminated site which will foster the surrounding area redevelopment (river banks, parks, etc.)

# Revi-Sols Program

- 309 projects
- 3 millions square meters
- 3 billions \$ investment on the cleaned up sites by private partners and municipalities
- Montreal:
  - Total Government Loans : 75 millions \$
  - Yearly municipal tax generated on cleaned up properties: 46.5 millions \$