

## Pembina Pipeline Corporation

# COMMITMENT TO ENVIRONMENTAL STEWARDSHIP

PEMBINA PIPELINE CORPORATION (*Pembina*) is a reliable energy transportation and service provider and a trusted member of the community. Pembina owns and operates pipelines that transport conventional and synthetic crude oil and natural gas liquids produced in western Canada; oil sands and heavy oil pipelines; gas gathering and processing facilities; and, an oil and natural gas liquids infrastructure and logistics business.

Pembina is committed to responsible development in all areas of our business and we place a high priority on the protection of the environment.

As part of our commitment to being a responsible operator, Pembina employs an Environmental Management System which allows us to minimize and manage the impact our growth projects and operations have on the natural environment. Before beginning any new project, Pembina conducts environmental studies and assessments to understand the local environmental features and potential effects the project may have on the soil, land, air, plants, wildlife, watershed, archeology and historic sites. Environmental plans are created for the project and used in consultation with regulatory authorities, Aboriginal communities, landowners and other stakeholders.

By working closely with our Aboriginal communities and stakeholders we are able to integrate their input into our project design and operating plans which helps reduce the potential for environmental effects. Pembina also deploys environmental inspectors and specialists in the field during construction where appropriate, to assure environmental compliance and assist in mitigating environmental concerns that may arise.

## Examples of environmental studies and assessments Pembina may conduct to assist in understanding the local environment:



### Plants & Wildlife

- Rare and Endangered Plant Survey
- Wildlife Survey



### Air & Noise

- Air and Noise Quality Assessments



### Soil

- Baseline Soils Survey



### Land

- Pre-existing Land Use Survey
- Weed Identification Survey



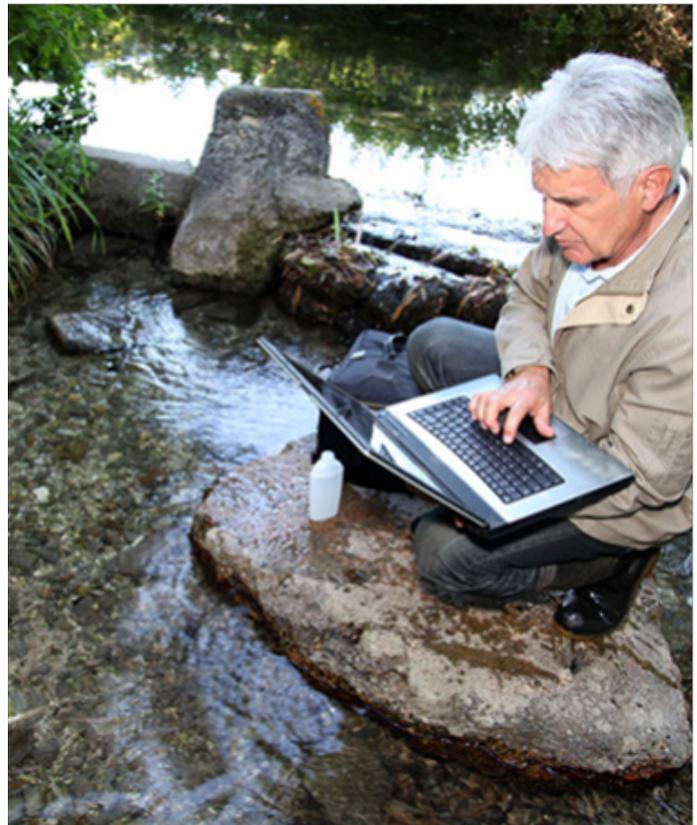
### Watershed

- Aquatic and Biological Assessment



### Archeology and Historic Sites

- Geophysical Survey
- Historic Resources Overview Report





**Pembina's Environmental Technician Program provides skills training and helps First Nations communities develop the ability internally to understand the process of pipeline construction and participate in the environmental work that takes place when companies such as Pembina propose a new project. Since 2009, nearly 70 people have been involved in Pembina's training, resulting in 22 community representatives being hired during the construction for five different projects.**

Our Environmental Management System doesn't just apply to new projects, we use it to govern our operating practices. For example, we install groundwater monitoring wells at many of our operating facilities to monitor the groundwater. We use the environmental monitoring results from these sites to map trends, gain early indications of potential soil/groundwater impact and any remedial actions.

We believe that measuring the effectiveness of our Environmental Management System by conducting regular environmental audits is the key to continuous improvement. At least one of Pembina's operating areas is subject to a third-party environmental audit every year. Learnings are integrated into our overall Environmental Management System to help us work towards our goal of zero work place incidents.

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 We conduct over 400 water crossing and slope inspections annually.  
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 We are committed to protecting the environment because we live, work and play here too.  
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**Grizzly Bear Study - Pembina is committed to supporting a two-year grizzly bear research project, conducted by the Foothills Research Institute in an area south of Grande Prairie.**

## Contact Information

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### Call or click before you dig

Personnel are required to call area One Call Centres for information prior to any ground disturbances along an occupied ROW or where underground facilities may be present.

