

EMISSIONSDATAWAREHOUSE

Lakes Environmental Software



Client:
Alberta
Environment

PROJECT

Alberta Environment is becoming a policy driven and outcomes focused ministry. A key factor in the success of this strategic shift is being able to effectively monitor and report on the state of the environment. The objective was to demonstrate that the department is achieving its desired environmental outcomes using a systems management approach.

CASA View



Province Wide Web Distribution

Phase one of the project was to pilot and implement a CASA style data warehouse for a single airshed in Alberta to store source/emission data. The premise for this warehouse is that if a standard, accessible, and ongoing data warehouse is available users from government, industry and others will be able to more efficiently gather emission and source data. In the second year of this project, the objective expanded to additional airsheds.

Alberta Benefits from Emissions Data Warehouse

1

One-stop shopping for air quality data. Both ambient air quality data and air emissions data will be available at the same web accessible data warehouse.

2

Collection of source/emission data that can improve air quality modeling. For example stack parameters process specific emission information and other data that is not available in the NPRI and elsewhere.

3

Emissions from reporting industrial point sources could be compared to all (comprehensive) emissions. While industrial sources are fairly well identified and available in inventories such as the NPRI, the comprehensive emissions are not.

4

Emissions data can be updated and quality controlled through a data providers and users group.