

Oil Sands Monitoring (OSM)

2016-2017 PROJECT PLAN SUMMARY

Project Name:	A1-1-5 Ambient Air Quality Surveillance: Beaver River Valley
Type of Project:	Focused Study
Delivery Agent:	Lakeland Industry and Community Association (LICA)
Project Contact:	Bob Myrick (AEP) - bob.myrick@gov.ab.ca Michael Bisaga (LICA) - lica2@lica.ca
Budget:	\$ 66,250

Project Description:

This project was developed in response to stakeholders concerns related to air quality in the Beaver River valley. There are concerns that atmospheric emissions from cold heavy oil production with sand (CHOPS) facilities may be draining into the valley, accumulating, and then flowing down-valley.

Project Objectives:

The project addresses the following specific questions:

- What is the status of air quality in the Beaver River valley in the Cold Lake oil sands region?
- What meteorological conditions lead to reduced visibility and/or air quality in the Beaver River valley?
- What are the potential emissions that may contribute to reduced visibility within the Beaver River valley?
- What is the frequency of reduced air quality or visibility, intensity of visibility reduction, duration and location of events?

Key Outcomes:

This project will deliver meteorological data that can be used to identify the conditions under which winds above the Beaver River valley could drain into it (2015-16-17 campaign).

Geographic Scope:

The Lakeland Industry and Community Association airshed including the Cold Lake oil sands deposit.

Associated Data and Reports:

Data are stored electronically and in hardcopy on LICA-owned servers and permanently on the AEMERA/AEP air DATA online repository. Monthly Data Summaries will be provided.