

Oil Sands Monitoring (OSM)

2016-2017 PROJECT PLAN SUMMARY

Project Name:	A2-1-7 Evaluation and Integration of Deposition Studies
Type of Project:	Focused Study
Delivery Agent:	Alberta Environment and Parks
Project Contact:	Long Fu (AEP) - long.fu@gov.ab.ca
Budget:	\$ 50,000

Project Description:

There are two components to this project: (1) integrate existing deposition monitoring activities under a single set of monitoring objectives, and (2) utilize air modelling tools to enhance integration of deposition. This project will enhance integration of monitoring and process studies in the oil sands region related to the deposition of pollutants for the purpose of assessing ecosystem health and cumulative environmental effects associated with the mining activities.

Project Objectives:

- Design deposition studies including sample collection.
- Perform Air Mapping modeling to assess sampling location and methods.
- Implement Standard Operating Procedures (SOPs) and Data Quality Objectives for passive monitoring to ensure data quality.

Key Outcomes:

- Document analytical methods for bitumen and , petcoke characterization
- Assess existing SOPs and validate relevant passive monitoring samplers
- Conduct joint data analysis
- Using the AEP Air Mapping Tool to generate NO₂ and SO₂ ambient values
- Compare the results generated by various approaches
- Prepare a final report.

Geographic Scope:

The project covers the oil sands regions.

Associated Data and Reports:

A final report will be prepared.