

Oil Sands Monitoring (OSM)

2016-2017 PROJECT PLAN SUMMARY

Project Name:	A1-1-6 Remote Ozone Monitoring
Type of Project:	Focused Study
Delivery Agent:	Wood Buffalo Environmental Association (WBEA)
Project Contact:	Bob Myrick (AEP) - bob.myrick@gov.ab.ca Sanjay Prasad (WBEA) - sprasad@wbea.org
Budget:	\$ 80,600

Project Description:

Ozone (O₃) is currently monitored continuously at six air monitoring stations located in communities within the oil sands region; Monitoring outside of communities and in the Boreal is currently conducted (since 2000) using passive techniques. This project is designed to gather continuous data during the O₃ season in the Boreal region, and downwind of the industrial center. Ten-year passive trending indicates that, O₃ concentration increases away from urban centers as predicted.

Project Objectives:

To continuously measure ambient O₃ concentrations (as 1-hour average) at remote Terrestrial Environmental Effects Monitoring (TEEM) Forest Health Monitoring (FHM) sites during the O₃ season.

Key Outcomes:

More accurate concentrations of O₃ potentially impacting the forest ecosystem

Geographic Scope:

Commercially available portable O₃ monitoring systems deployed at three remote sites (AB/SK).

Associated Data and Reports:

All WBEA data are sent to the WBEA website for public reporting. Data validation, review and reporting are done in the last quarter.