

## Oil Sands Monitoring (OSM)

### 2016-2017 PROJECT PLAN SUMMARY

<b>Project Name:</b>	<b>A1-2-3 Ambient Air Odour Study</b>
<b>Type of Project:</b>	Focused Study
<b>Delivery Agent:</b>	Wood Buffalo Environmental Association (WBEA)
<b>Project Contact:</b>	Bob Myrick (AEP) - bob.myrick@gov.ab.ca Sanjay Prasad (WBEA) - sprasad@wbea.org
<b>Budget:</b>	\$ 485,000

#### **Project Description:**

The Human Exposure Monitoring Program (HEMP) projects focuses on odour detection and chemical characterization in communities and areas of public concern. VOCs and RSCs are often associated with odour episodes, which occur against a general background of SUMO TRS circa 5000 ppb. As the Regional Municipality of Wood Buffalo (RMWB) continues to experience substantial population, industrial, and commercial growth, this will result in increased emissions of potential concern. The measurements and community volunteer reporting generate information that enhances understanding of relationships between air quality and human exposure. In 2016-17, odour monitoring will continue using two different specialized odour detection evaluation and quantification methods to continue to build on odour data in the region. WBEA will work with AEP in deploying Open Path FTIR at selected locations to collect VOC and odour compounds.

#### **Project Objectives:**

To provide chemical speciation of odour compounds in ambient air, continuous monitoring data of multiple gaseous compounds with high temporal resolution and spatial coverage, quantitative odour event strength and frequency measurements, and to offer the community a form of assessing odour air quality in their nearby settings.

#### **Key Outcomes:**

Stakeholders and public community are informed and aware of odour air quality reporting

#### **Geographic Scope:**

Regional Municipality of Wood Buffalo (RMWB)

#### **Associated Data and Reports:**

All WBEA air monitoring data are quality-assured and sent within four weeks of month-end to the WBEA website for public reporting and AEMERA/AEP data portal. Report on Workshop/ Reporting and Integration Odour Data Review.