

## Oil Sands Monitoring (OSM)

### 2016-2017 PROJECT PLAN SUMMARY

<b>Project Name:</b>	<b>A2-1-8 Wet Precipitation Study (NADP Protocol)</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>	\$ 25,000

#### **Project Description:**

The current acid rain monitoring program has recognized shortcomings that impact comparability with other similar programs such as the US National Atmospheric Deposition Program's (NADP) National Trends Network (NTN), which provides a long-term record of precipitation chemistry across the United States (<http://nadp.isws.illinois.edu/NTN/>) and parts of Canada. This project offers the opportunity for continent-wide comparability of AOSR precipitation data with over 365 sites across North America. The main features/benefits of this program are standardization of sampling sites and protocols and analysis of all program samples at one central laboratory using highly standardized methodology and quality assurance protocols. Data from this project will enable stakeholders and decision makers to compare regional data to Canadian and International data.

#### **Project Objectives:**

Continuity and accuracy in continuous and integrated air monitoring for compliance, trending and modelling purposes

#### **Key Outcomes:**

Wet chemistry precipitation data that can be compared to NADP -an internationally recognized standard.

#### **Geographic Scope:**

Regional Municipality of Wood Buffalo (RMWB) including the AOSR.

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

Summarize and report annually in support of AEP assessments. Results will be published as appropriate in peer reviewed scientific literature with open access privileges.