

Oil Sands Monitoring (OSM)

Abbreviations

Organisations

ABMI	Alberta Biodiversity Monitoring Institute
AEMERA	Alberta Environmental Monitoring Evaluating and Reporting Agency
AEP	Alberta Environment and Parks
AER	Alberta Energy Regulator
AITF	Alberta Innovates Technology Futures
COSIA	Canada's Oil Sands Innovation Alliance
DUC	Ducks Unlimited Canada
ECCC	Environment and Climate Change Canada
LICA	Lakeland Industry and Community Association
NRCan	Natural Resources Canada
PRAMP	Peace River Area Monitoring Program
UofA	University of Alberta
WBEA	Wood Buffalo Environmental Association
WSC	Water Survey of Canada

Acronyms

ACIMS	Alberta Conservation Information Management System
ALMS	Automated Lake Monitoring System
AMS	Air Monitoring Station
AOSR	Athabasca Oil Sands Region
ARU	Autonomous Recording Units
ASTD	Atmospheric Science and Technology Directorate
BAM	Boreal Avian Modelling
BMF	Biodiversity Management Framework
BRD	Birch River Delta
CAPMoN	Canadian Air Precipitation Monitoring Network
CARA	Clean Air Regulatory Agenda
CHOPS	Cold heavy oil production with sand
CLBR	Cold Lake-Beaver River
CMAQ	Community Multiscale Air Quality Modelling
EFDC	Environment Fluid Dynamics Code
EGA	Extended Geographical Area
EGE	Expanded Geographic Extent
EPEA	Environmental Protection and Enhancement Act
FH	Forest Health
FHM	Forest Health Monitoring
FTIR	Fourier Transform Infrared Spectroscopy
FWMIS	Fish and Wildlife Management Information System
HEMP	Human Exposure Monitoring Program
IER	Ion Exchange Resin
JOSM	Joint Oil Sands Monitoring
LAR	Lower Athabasca Region/River
LARP	Lower Athabasca Regional Plan
LIDAR	Light Detection and Ranging

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LULC	Land-use/land cover change
NADP	National Atmospheric Deposition Program
NAOS	North Athabasca Oil Sands
NATChem	National Atmospheric Chemistry
NRDPFC	Natural Resources DNA Profiling and Forensic Centre
NTN	National Trends Network
OS	Oil Sands
OSM	Oil Sands Monitoring
OSPW	Oil Sands Process-affected Water
PAD	Peace-Athabasca Delta
PADEMP	Peace-Athabasca Delta Ecological Monitoring Program
PAM	Portable Air Monitoring system
PRS	Plant Root Stimulator
RMWB	Regional Municipality of Wood Buffalo
SAGD	Steam-Assisted Gravity Drainage
SAOS	South Athabasca Oil Sands
SAR	Species at risk
SOP	Standard Operating Procedures
SQL	Structured Query Language
SRD	Slave River Drainage
TEEM	Terrestrial Environmental Effects Monitoring
WMU	Wildlife Management Unit(s)
WQ	Water Quality
WSTD	Water Science and Technology Directorate

Chemical Substances

AEOs	Acid extractable organics
CH ₄	Methane
CO	Carbon monoxide
DNA	Deoxyribonucleic acid
H ₂ S	Hydrogen sulphide
HNO ₃	Nitric Acid
NA	Naphthenic Acid
NH ₃	Ammonia
NMHC	Non-methane hydrocarbons
NO	Nitrogen monoxide
NO ₂	Nitrogen dioxide
NO _x	Oxides of Nitrogen
O ₃	Ozone
PAC	Polycyclic aromatic compounds
PAH	Polycyclic aromatic hydrocarbons
PM	Particulate Matter
SO ₂	Sulphur dioxide
THC	Total hydrocarbons
TRS	Total reduced sulphur
VOC	Volatile Organic Compound
RSC	Reduced Sulphur Compound