

What are we doing?

A short-term study to measure emissions (air pollution) from vehicles in Alberta, particularly diesel-fueled trucks.



What vehicle information?

- Vehicle year, model, and make
- Fuel type
- Gross vehicle weight
- Registration postal code (first three digits only)
- Registration type (class)
- Body style

NO PERSONAL IDENTIFICATION INFORMATION IS BEING COLLECTED

This study is not a compliance inspection.

Emissions measured

- Oxides of Nitrogen
- Hydrocarbons
- Carbon Monoxide
- Carbon Dioxide
- Particulate Matter

Why?

As a part of the ROVER III Project (casahome.org/current-initiatives/roadside-optical-vehicle-emissions-reporter-iii-project-team-53/), this study aims to inform potential management actions and next steps to reduce emissions from vehicles.



Remote sensing technology towers. One tower pictured above will be deployed along with a second lower tower.

Where are emissions being measured?

Heavy-duty vehicle testing will be along major thoroughfares across Alberta.

Some light-duty vehicle roadside testing will occur within the municipality of Fort McMurray.

How?

CASA has contracted Opus to use remote sensing technology to measure vehicle emissions. Service Alberta is providing vehicle description information. This information will be combined to determine characteristics of vehicle emissions in Alberta.

Opus has conducted vehicle emissions measurement in North America and around the world.

Permits?

Site permits were obtained through municipal or provincial offices for each area of testing.

About CASA

CASA is a multi-stakeholder partnership composed of representatives from industry, government and non-government organizations. Founded in 1994, CASA is committed to a comprehensive air quality management system for Alberta.

