

Project Profile

Project Name:	Inventory of Methane Emissions from Storage Tanks and Compressor Seal Vents
Project Number:	ER-Meth-2020-01
Proponent:	Clearstone Engineering Ltd.
Funding Envelope:	Environmental Research—Methane and Greenhouse Gases
Timeframe:	September 4, 2019, to March 31, 2020

Project objectives

The objective of this project is to characterize data sources and develop a preliminary inventory of 2018 methane emissions from storage tanks and compressor seal vents relevant to the BC upstream oil and gas sector.

Project description

This project will develop a reasonably complete and accurate assessment of compressor seal vents and storage tank methane emission sources in a practicable and defensible manner that takes advantage of currently available information and provides sensible methods for bridging data gaps.

Project approach

The project will involve the following activities:

1. Determine data that is currently available in government/agency databases that could be used to develop a provincial inventory of storage tanks and compressor seal vents and estimate their associated methane emissions under different operating conditions.
2. Identify relevant information available from other sources in BC and elsewhere.
3. Identify gaps that exist in the data and ways to address them.
4. Consider whether a field study is necessary to address data gaps.
5. Develop a preliminary provincial inventory of storage tanks and compressor seal vents and their associated emissions under different operating conditions including an uncertainty and gap analysis.

Project deliverables

The deliverables from this project include the following:

1. Final Report summarizing the approach and findings.
2. Inventory of methane emissions and uncertainties from compressor seal vents and storage tanks.