

CASE STUDY

Eliminate Methane Emissions from Tank Vents

How Emission Rx enclosed combustors are safely destroying harmful gases emitted from tank vents

Overview

In December 2020, Several **Emission Rx E-Series Enclosed Combustors** were installed for the purpose of eliminating emission from tank vapours in the area east of Lloydminster. The intent of this project was to replace existing technology that was not working well, lower operational costs and eliminate emission on site. This case study focuses on a single combustor install.

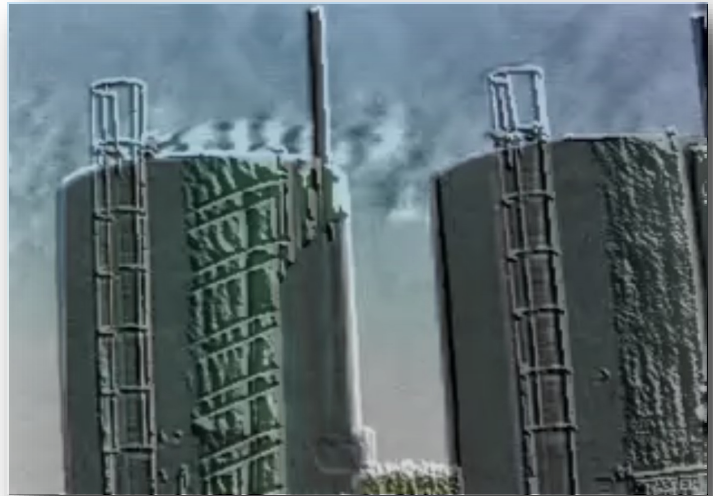
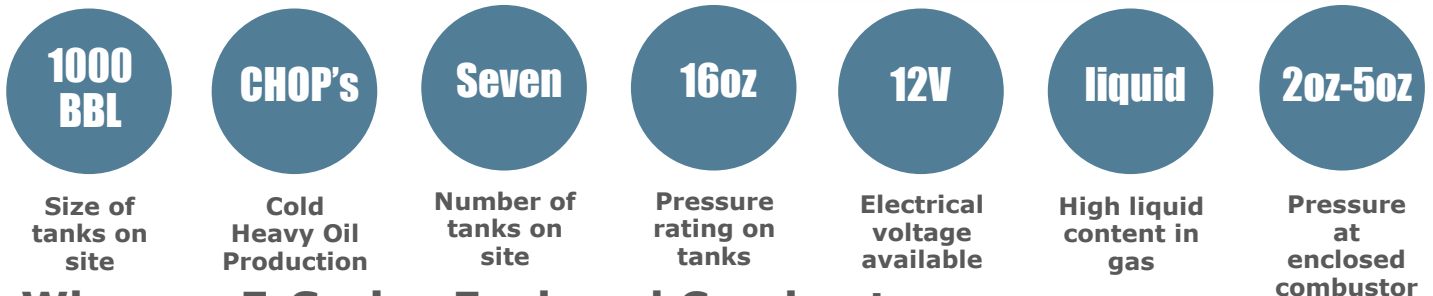


Photo showing vapours coming from tank vents on a CHOPs site

Project Overview



Why use E-Series Enclosed Combustor For Tank Vapour

- Affordable
- Compact design
- Quick/easy setup
- Handles liquids well
- Operates well in low pressure applications
- Cool outer shell
- High combustion efficiency
- Multiple levels of backflash protection
- 10-meter close spacing from tanks



E-Series Enclosed Combustor



Photo showing E36-12 Combustor installed on Rife Resources Ltd. CHOPs site

Results & Feedback

Gas was collected from seven (7) tanks originating from three (3) heavy oil wells . **The Combustor** was installed in December and operated continuously through multiple seasons without any major shut downs. Over 12 months of operation, the combustor eliminated methane from tank vapour continuously. The design has proven itself to be safe, reliable and robust.

Low Capital	Carbon Offsets	Zero	Zero	Sour Gas	Low CH₄	99.9%
Low Capital, equipment and install	Verified & Approved	Down Days	Maintenance required	690ppm	61% Methane	Combustion Efficiency

“We chose to install the Emission Rx combustor because we were looking for a reliable , safe & affordable technology to eliminate vapours from our tanks. The technology we were using was not working well and had continuous operational costs associated with it.”

Trent Mastel, P.Eng, Rife Resources Ltd.



Powerful Performance with Exceptional Quality

EnviroVault LP is proud to provide our customers with Emission Rx E-Series Enclosed Combustors to safely destroy harmful gases and meet or exceed government air quality objectives.

www.envirovault.com or 403-263-4433