



**CRESTONE PEAK**  
RESOURCES

# Air Quality

## FACT SHEET

Crestone is committed to meeting or exceeding Colorado air quality requirements and deploys a series of industry-leading technologies and management practices intended to protect public health and the environment for all Coloradans.



**RHyNO (Real-Time Hydrocarbon NOx) Trailer:** Crestone designed and built a custom air quality station to more efficiently monitor air quality during each phase of operations. The mobile trailer measures air pollutants and meteorological conditions (wind speed and ambient temperature) at production sites to evaluate air quality and determine if adjustments are necessary.



**Continuous Monitoring and Air Quality Testing:** Crestone monitors all wells during each operations phase through its Forward Looking Infrared (FLIR) camera program to ensure sites are operating correctly and in compliance with regulation. Additionally, Crestone adopted a real-time, continuous air quality monitoring program using technology from Project Canary at its horizontal well sites, representing about 80 percent of total production.



**Pipelines and Gathering Facilities:** Crestone utilizes pipelines and central gathering facilities to minimize the footprint of well pads, helping reduce truck traffic and eliminating storage tanks and emissions sources. These facilities allow for use of more efficient emissions reduction techniques like floating roof tanks and chillers.

### 2020 Colorado Department of Public Health and Environment (CDPHE)

**'Environmental Leadership Program':** Crestone was named a 'Gold Leader' for its commitment to environmental stewardship and track record of consistently exceeding regulations to minimize the impact on Colorado's environment. This is Crestone's second year in the program.



**'Tanklite' Production Facilities:** Facilities are smaller in footprint and utilize pipelines for removing oil from a well site, eliminating long-term storage and decreasing truck traffic. Design requirements include:

- Vapor Recovery Towers (VRTs) and Vapor Recovery Units (VRUs) to capture flash gas
- Grid-powered instrument air skids, which remove natural gas-actuated pneumatic controllers, a potential emissions area

**Enclosed Flowback Operations:** Crestone's company practice is to use VRUs and a vent-free closed loop system during the completions process to capture fugitive gas from the well that otherwise would be sent to a combustor and contribute to emissions. The gas is put into a gathering pipeline so that it can be used rather than wasted.

## Our continued commitment to air quality: a timeline of initiatives and recognition

July 2016: Crestone Peak Resources formed

2016

2017: Commissioning of 'The Hub', a central gathering facility serving several sites

2018: Began design and construction of RHyNO Mobile Air Monitoring Trailer

2018

March 2018: Adopted tanklite approach

June 2018: Began testing enclosed flowback operations at several sites

April 2019: Began use of RHyNO Trailer across operations

June 2019: Initiate study of potential short-term impacts of operations on local air quality and public health

2019

July 2019: Enclosed flowback operations adopted as company practice (one of first Colorado operators to do this)

Sept. 2019: Recognized as CDPHE Environmental Leadership Program 'Bronze Achiever'

Nov. 2019: Testing of real-time continuous air quality monitoring technology from Project Canary

Dec. 2019: Public health study near oil and gas operations concluded

2020

Jan. 2020: Large-scale pilot of real-time, continuous air quality monitoring at horizontal well sites announced

Oct. 2020: Recognized as CDPHE Environmental Leadership Program 'Gold Leader'

Nov. 2020: Began CDPHE AIMM approval process to enhance LDAR program with Project Canary program

As Coloradans, Crestone values the land, air, water and wildlife and is committed to using new technologies, innovative mitigation techniques and its deeply rooted experience to demonstrate its producing energy safely, responsibly and in a way that is respectful of the environment and communities.