



# **DUST MITIGATION PLAN**

**Submitted with Form 2A Application for**

**Blue 3-65 33-32-31**

**Plan Date: August 20, 2021**

**Submittal Date: September 15, 2021**

**Crestone Peak Resources' Dust Mitigation Plan is consistent with**

**COGCC Rule 427.a as described herein.**

Crestone Peak Resources' ("Crestone") Dust Mitigation Plan is intended to facilitate compliance with the applicable regulations of the Colorado Oil and Gas Conservation Commission (COGCC), the Colorado Department of Public Health and Environment (CDPHE) and the City of Aurora and associated Oil and Gas Operator Agreement dated June 5, 2019 and recorded in the Arapahoe County Clerk and Recorder's Office at Reception No. E0028448, with an effective date of June 1, 2019. This Dust Mitigation Plan will be applied to all sites within the jurisdictional boundaries of the City of Aurora, including the Blue 3-65 33-32-31 Form 2A, and will be followed by all Crestone personnel (inclusive of employees, contractors, vendors, service providers and authorized visitors) working on Crestone's sites and roads.

## **PROJECT OVERVIEW**

Crestone's development of the Blue Form 2A (the "Site") necessitates earth disturbing activities and travel on unpaved roads which has the potential to produce fugitive dust emissions.

Dust associated with Site activities and traffic on roads will be minimized throughout all phases such that there are no minimal visible dust emissions from the Site or associated roads to the maximum extent practicable given wind conditions.

Topsoil will be stabilized by the following: The stockpile will be vertically tracked by heavy equipment to prevent wind and water erosion. During construction, salvaged topsoil will be seeded and monitored for erosion and the establishment of undesirable and noxious weeds routinely. Seeding and straw mulch application will occur on the long-term topsoil storage stockpile during interim reclamation.

### **Rule 427.a. Compliance:**

- (1) Soil type: Platner Loam 3 to 5%  
Adena Colby silt loams 0-3%
- (2) Proposed vehicle speed limit: 20MPH or less on lease roads; 5MPH or less on the Site.
- (3) Well pad disturbed area: 12.98 acres; access road disturbance area: 1.767 acres.
- (4) Access roads will not be paved. The access road will be constructed per CDOT road-base #6 specification. Construction materials may include but are not limited to: premixed road base material; 1 – 1.5" river rock, crushed granite or other aggregate with not less than 1" nominal size. A solid surface, concrete or asphalt, will be added for the 100'.
- (5) Number of truck trips during the Construction, Drilling, Completion and Production (includes heavy and light trucks):

Phase of Development	Monthly Truck Trips	Yearly Truck Trips
Construction	280	700
Drilling	2480	5580
Completion	4175	12525
Initial Production (Year 1)	1419	17033
Production (Year 1-3)		3772
Production (3+)		1119

(6) Plan for Suppressing Fugitive Dust Caused by Wind: will curtail scope of work during high wind conditions (sustained winds 25MPH or greater)

### **BEST MANAGEMENT PRACTICES**

The following mitigation measures will be applied when appropriate.

- Application of fresh water to disturbed areas during earth moving activities.
- Application of fresh water or magnesium chloride to graveled surfaces of the Site and associated roads.
- Use of high-quality construction materials such as crushed granite road base, which generates less dust than other aggregates.
- Limit disturbance of natural vegetation to only that area that is reasonably necessary for construction.
- Re-establishment of vegetation on disturbed areas not graveled.
- Covered storage containers to be used for sand, silica, proppant or similar material during hydraulic fracturing.
- Establish speed limit on all access roads of 20MPH or less. Personnel failing to comply will be subject to disciplinary action.
- Establish speed limit on the Site of 5MPH or less. Personnel failing to comply will be subject to disciplinary action.
- Curtail scope of work during high wind conditions (sustained winds 25MPH or greater).
- Regular road maintenance will include adding gravel and grading when needed per the executed Road Maintenance Agreement between the Operator and City of Aurora.
- Additional management practices such as road surfacing, natural wind breaks and barriers, or automation of wells to reduce truck traffic may also be utilized to minimize fugitive dust emissions.
- Crestone will use a rock base tracking pad at the access point to help remove dirt and prevent debris from collecting on all access roads. As necessary, Crestone will sweep roads nearest the access point of dirt and debris to maintain a clean entrance.
- Vertically track the stockpile by heavy equipment to prevent wind and water erosion.
- During construction, salvaged topsoil will be seeded and monitored for erosion and the establishment of undesirable and noxious weeds routinely.
- Seeding and straw mulch application will occur on the long-term topsoil storage stockpile during interim reclamation.