



**Kerr-McGee Oil & Gas Onshore LP**

**Dust Mitigation Plan**

**LARKSPUR FED 4-32HZ Well Pad and Facility**

**S/2 NW/4 Section 5, T2N R66W 6<sup>TH</sup> P.M.**

**Weld County, Colorado**

**Address TBD**

**Proposed Spud Date: 2<sup>nd</sup> Quarter 2025**

**Introduction:**

Kerr McGee Oil & Gas Onshore LP (KMOG) has developed this Dust Mitigation Plan in compliance with the Colorado Energy & Carbon Management Commission (CECMC) Rule 427.



Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
38	Nelson fine sandy loam, 3 to 9 percent slopes	5.1	33.1%
45	Olney loamy sand, 3 to 5 percent slopes	10.3	66.9%
<b>Totals for Area of Interest</b>		<b>15.4</b>	<b>100.0%</b>

**427.a(2) Proposed Vehicle Speed Limits to Minimize Dust**

- 10 mph on lease road from WCR 26 into location and 5 mph once vehicles reach well pad/facility.

**427.a(3) Total Area of Disturbance (In Acres)**

- Well pad and Facility – Working Pad Surface (WPS) – 15.36 acres
- Access road – 1.9 acres
  - Soil types:
    - 45 Olney loamy sand, 3 to 5 percent slopes
    - 52 Otero sandy loam, 3 to 5 percent slopes
    - 57 Renohill clay loam, 3 to 5 percent slopes

**427.a(4) Whether Access Roads are Paved**

- Access roads are not paved, they are constructed with a minimum of four - inches of gravel road base

**427.a(5) Number of Anticipated Truck Trips During Each Phase**

- Construction Phase (includes pad and production facility construction) – 3,331 truck trips
- Production Drilling Phase – 3,698 truck trips
- Completions Phase – 11,735 truck trips
- Production Phase – 430 average annual truck trips

**427.a(6) A plan for Suppressing Fugitive Dust Caused Solely by Wind**

1. On active locations, in the event dust is caused solely by the wind KMOG will have fresh water deployed to suppress dust for the duration of the wind event.
2. In addition, disturbed soils will be placed to minimize ability for soil particles to become airborne. Various techniques to be used depending on soil type specific to each location:
  - Track pack/compact topsoil piles, consolidate soil used to construct perimeter ditch/berm and sediment traps
  - Hydro mulch and/or hydroseed topsoil piles and/or other stormwater BMP features
  - Seed/straw crimp disturbed soils where feasible
  - Place and compact gravel layer on working pad surfaces and access roads

**427.a(7) Best Management Practices**

1. KMOG will proactively deploy fresh water to suppress dust along access road to well pad/ facility during all phases of pre-production operations.
2. Speed limits will be reduced to 10 mph on access road and 5 mph once vehicles reach well pad/ facility.
3. Access roads and Vehicle Tracking Control (VTC) will receive maintenance as needed throughout operations.
4. In the event of high winds that generate dust that cannot be mitigated with an application of water, KMOG will shut down construction operations.
5. During the completions phase, KMOG will utilize a fully enclosed sand containerized proppant delivery system that eliminates the use of pneumatic transfer on location. This methodology utilizes a gravity choke feed system that reduces dust significantly. The dust levels from this system are minimal and below Occupational Safety and Health Administration (OSHA)

permissible exposure limit which eliminates the need for additional Personal Protective Equipment (PPE).