

St. Croix Operating, Inc.
Prairie Ridge #1
NESE Section 13, T3S R50W
Washington County, Colorado

DUST MITIGATION PLAN

St. Croix Operating, Inc. (St. Croix) has drafted this plan in accordance with Rule 304.c.(5) and Rule 427.

SITE DESCRIPTION:

The soils the road and location will be constructed on are primarily noncalcareous eolian sands.

The project proposes a new location for one well, Prairie Ridge #1. This location will require a new access road. All production facilities will be located on the proposed Prairie Ridge Production Facility location to the northwest. An off-location flowline will be constructed to connect the wellhead to the production equipment at the Prairie Ridge Production Facility.

The proposed access road to the proposed Prairie Ridge #1 location is 4,535 feet from the connecting private gravel road. The proposed disturbance corridor for the access road is approximately 2.08 acres.

The proposed Prairie Ridge #1 location is proposed to be 5.58 acres of disturbance.

No utility corridors are being proposed for this location.

An off-location flowline (OLF) will be constructed to connect the Prairie Ridge #1 location to the proposed Prairie Ridge Production Facility location. The OLF disturbance will be accounted for with the Prairie Ridge Production Facility location.

SOIL TYPES WITHIN PROJECT AREA:

Map Unit	Soil Series	Additional Information	Project Components
71	Valent sand, rolling, 9-24 percent slopes	Dunes, hills, noncalcareous eolian sands	Proposed access road and the Prairie Ridge #1 Location
70	Valent sand, 3-9 percent slopes	Prairie Ridges, hills, noncalcareous eolian sands	Proposed access road

INGRESS/EGRESS TO THE OIL AND GAS LOCATION:

The proposed access road will be an unpaved road. There will be no turning lanes. Tracking pads are not being proposed for use at this location.

Speed restrictions on lease roads will be utilized to minimize dust. An average of 25 mph is currently anticipated to be used for most vehicles.

Design and surface roads based on the traffic, speed, and type of vehicles to reduce dust, mud, and environmental damage.

CONSTRUCTION:

- During the construction of the access road and well pad, dust mitigation may occur at least weekly, depending upon need.
- Construction activities may be limited or deferred on high-wind days to restrict potential fugitive dust.
- Anticipated truck trips, including water trucks for dust mitigation, during this phase is approximately 54 round trips.

DRILLING:

- During drilling operations, dust mitigation may occur at least weekly, depending upon need.
- Anticipated truck trips, including water trucks for dust mitigation, during this phase is approximately 272 round trips.

COMPLETIONS:

- During completion operations, dust mitigation may occur at least weekly, depending upon need.
- Anticipated truck trips, including water trucks for dust mitigation, during this phase is approximately 105 round trips.
- Completion operations will not use sand or other products that could potentially exacerbate dust in the area.

PRODUCTION:

- During the production phase of the well pad, traffic is significantly reduced from previous stages of activity. Therefore, dust mitigation will also lessen significantly. Dust mitigation will occur on an as-needed basis only.
- Anticipated truck trips during the initial year of the production phase are one light-duty truck per day.

BEST MANAGEMENT PRACTICES:

- St. Croix will utilize freshwater for dust suppression practices.
- Speed restrictions on the access roads will be utilized to minimize dust. An average of 25 mph is currently anticipated to be used for most vehicles.
- Construction activities may be limited or deferred on high-wind days to restrict potential fugitive dust.
- Topsoil and stockpiled soils will be stabilized through either wheel packing, tackifiers, seeding practices, or erosion control blankets.

Truck Trips Per Operational Activity

Phase	Number of Days	Light Vehicle Roundtrips Per Day	Heavy Vehicle Roundtrips Per Day	Total Vehicle Roundtrips	Total Vehicle Trips
Construction	7	8	8	54	108
Drilling	11	28	20	272	544
Completion	8	12	22	105	210