



RUH STATE SOUTH PAD DUST MITIGATION PLAN

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Article I. Introduction

Location Information

This document provides site-specific information for the Ruh State South Pad within the Ruh State OGD. The information in this document relates specifically to the time during the construction, drilling, completion, and production of the eight (8) proposed horizontal wells on this location.

The proposed location is dryland crop on the west side of WCR 83 approximately 7392' south of the intersection with WCR 74. The Pad will be in the SENE of Section 11, Township 6 North, Range 62 West, Zoned Agricultural within Weld County Ag-Rural Planning Area. A 1041WOGLA Local Gov Permit was approved as 1041WOGLA22-0022.

The proposed Pad will be 10.90 acres, reduced to 8.54 after interim reclamation. The working pad surface will be 6.22 acres. The Pad is on Parcel 079711100004 owned by Marjorie L and William G Ruh. The location is currently used for farming.

The proposed production facility equipment for the Ruh State South Pad will be located within the Working Pad Surface adjacent to the wells and will consist of oil tanks, water tanks, meter buildings, separators, vapor recovery towers, compressors, vapor recovery units, LACT units, scrubbers, skids, pumps, and proposed electrical and/or solar equipment.

Phase	Duration (days)	Estimated Start Date
Construction	24	2 nd Quarter (May), 2024
Drilling	56	2 nd Quarter (June), 2024
Completion	56	3 rd Quarter (August), 2024
Flowback	90	3 rd Quarter (September), 2024
Production	9,150	4 th Quarter (December), 2024
Interim Reclamation	15	4 th Quarter (December), 2024*

**or the first favorable growing season.*

Article II. Dust Mitigation Plan Specific Data

Soil type(s): 6 - Ascalon sandy loam, 3 to 5 percent slopes; 47 - Olney fine sandy loam, 1 to 3 percent slopes; 63 - Terry fine sandy loam, 3 to 9 percent slopes

Total area of soil disturbance in acres including accesses: 10.97 acres

Haul Route roads are not paved for 0.07 acres from pad edge to Weld County Road 83 as depicted on the Haul Route Map.

Truck Traffic

The estimated duration of drilling, completion, and flowback activity at each pad site is estimated to be between 4-5 months and will range from passenger cars and pickups, to semi-truck/trailers and tandem truck vehicles.



During the move in and move out of the actual drilling rig equipment, the expected number of per day roundtrips is estimated to be approximately 18 passenger cars/pickups and 14 semi-truck/trailers. For the other days during the drilling phase of the operation, the roundtrip numbers should be reduced to 10 trips/day for passenger cars/pickups and 5 semi-truck/trailer or tandem trucks.

During the move in and move out of the actual hydraulic fracturing completion equipment, the expected number of per day roundtrips is estimated to be approximately 42 passenger cars/pickups and 62 semi-truck/trailers. For the other days during the completion phase of the operation, the roundtrip numbers are estimated to be 25 passenger cars/pickups and 40 semi-truck/trailers.

Estimated Pad Traffic	Eight (8)	2-mile Wells	
	Daily Light Vehicle	Daily Heavy Vehicle	Days
Pad & Battery Construction	8	5	24
MIRU & RDMO Rig	18	14	12
Drilling Operations	10	5	44
Completion Move-In/Out	42	62	10
Completion Operations	25	40	46
Initial Production/Flowback	6	27	90
Pad Trip Totals (NOT Daily)	2,958	5,398	226
Per Well Totals (NOT Daily)	370	675	32
Average Trips Per Day	13	24	

Article III. Mitigation Measures and Best Management Practices

Operator shall employ practices for control of fugitive dust caused by their operations. Such practices shall include but are not limited to the use of speed restrictions, automation of wells and production facilities, regular road maintenance, restriction of construction activity during high-wind days, and silica dust controls when handling sand used in hydraulic fracturing operations. Operator additionally has implemented the use of traffic signs when leaving the location to remind drivers of specific routes to utilize.

Operator will use soil stockpile stabilization measures to suppress fugitive dust caused solely by wind.



Operator will minimize the amount of fugitive dust through the use of speed restrictions. All vehicles will be subject to a speed limit of 20 MPH on all lease roads and 5 MPH on pad to minimize dust.

Operator will mitigate the creation of fugitive dust through regular road maintenance as coordinated through agreements with Relevant Local Governments or Agencies with road jurisdiction.

Operator will use methods including wind breaks and barriers, road or facility surfacing, and soil stockpile stabilization measures to suppress fugitive dust caused solely by wind.

Operator will avoid the creation of fugitive dust by restricting or limiting construction activity during high wind days.

Operator will minimize fugitive dust caused by their operations, or dust originating from areas disturbed by their Oil and Gas Operations that becomes windborne.

Operators will not use any of the following fluids for dust suppression:

- Produced water
- E&P Waste or hazardous waste
- Crude oil or any oil not specifically designed for road maintenance
- Solvents
- Any process Fluids

Operator will use only fresh water (potable or non-potable) to conduct dust suppression activities within 300 feet of the ordinary high-water mark of any water body.

Access road will be watered or treated with a commercial dust suppressant if necessary.

Operator will maintain safety data sheets ("SDS") for any chemical-based dust suppressant and make the SDS available immediately upon request to the Director and to the Local Government. Operators will maintain SDS for any chemical-based dust suppressant until the site passes final site Reclamation and transfer the records upon transfer of property ownership.

Article IV. Cumulative Dust Impacts

The estimated number of anticipated truck trips for the OGD seeking Commission and OGED approval combined with the number of anticipated truck trips at any other Oil and Gas Locations within a 1-mile radius during the same time period is confirmed for active locations with anticipated construction, drilling, and completion dates between 2nd Quarter 2024 and 3rd Quarter 2024.

There are no sites containing wells with construction dates within the proposed time frame.

There are no sites with wells anticipated to be drilled and completed within the proposed time frame.

There are two sites with a total of five producing wells within one mile.

All other existing locations within one mile are locations with abandoned wells.



No other Oil and Gas Facility seeking Commission approval is anticipated to use any of the same unpaved roads as truck traffic at the same time as the proposed Ruh State South Pad location.

There are no other major sources of dust in the area which will result in the area bearing a cumulative dust risk that could harm public health, safety, welfare, the environment, or wildlife resources, including impacts to plants, such as burial or significant damage to photosynthetic processes.

Article V. Exhibits/References/Appendices

None.