

MRG, LP.
CE Pad
SENE Section 11, T5N R68W
City of Loveland
Larimer County, Colorado

STORMWATER MANAGEMENT PLAN

MRG, LP (MRG), has drafted this stormwater management plan in accordance with COGCC Rules 304.c.(15) and 1002.f. and City of Loveland Municipal Code 13.18 and 13.20.

1. Oil and Gas Location and Construction Site Details

This is a proposed oil and gas location which will include up to 15 wells.

The constructed location disturbance is proposed to be 13.4 acres of disturbance.

The proposed access road is approximately 451 feet in length. It incorporates approximately 0.32 acres of disturbance.

The oil and gas location will scrape topsoil and stockpile it. The location's cut and fill areas will be constructed as per the grading plan.

No off-location flowlines are proposed for this location.

2. Supplemental Site Information

This plan covers one well location, the proposed CE Pad.

The location consists entirely of Weld silt loams, which has a runoff class of medium. This location is proposed within cropland. This location will undergo reclamation during the first growing season after being put onto production. The reseeding and irrigated crop growth will expedite site stabilization. MRG will use seed mixes for Reclamation in accordance with the Centerra Design Review Committee.

The area is non-irrigated cropland.

There are currently no known weed infestations.

No non-stormwater discharges are planned for this location.

Stormwater drainage in the area flows north to south, potentially to ultimately reach the Loveland Greely Canal, which is approximately 2,200 feet away.

3. Stormwater Management Control Measures

Potential pollution sources for the location during the initial construction, drilling and completions operations phase:

- Sediment resulting from erosion of the disturbed and stored soils. These will be controlled by constructing the location in accordance with the recommended practices and industry standards. Sediment basins and diversion dikes will help keep any errant soils from leaving location.
- Vehicle tracking of sediments is not expected to be a concern since the site is directly adjacent to N County Road 3, a gravel road. Tracking pads are not being proposed for this location as the site is accessed from unpaved roads.
- Trash and debris from clearing activities, construction materials, and workers will be mitigated by keeping sufficient trash containers on location and emptying them regularly.
- Dust generation will be controlled as-needed through times of heavy traffic periods to keep fugitive dusts from migrating towards surface water bodies.
- Portable toilets will be staked in place to prevent potential contamination from movement of the portable toilet structures.

Production / Interim Reclamation / Stabilization Phase:

- Potential pollution sources will be primarily centered around the un-stabilized surface of the location.
- The wellhead may also be a potential source of spills. This area will be inspected regularly to verify compliance and no materials are being spilled on location.

MRG intends to locate sediment basins in the low elevation drainage areas (one ~140' from the southwest corner of the pad at the end of the diversion ditch and one at the end of the diversion ditch at the southeast corner of the location to catch any runoff that may leave location.

Once the location is constructed, this plan will be revisited regularly to insure all structural best management practices (BMPs) are working appropriately or will be adjusted.

4. Site-Specific Construction and Stormwater/Erosion Control Measures

Please see the attached drawings.

5. Inspections and Maintenance Procedures

MRG will have a trained person familiar with the stormwater management plan and stormwater controls conducting inspections. The designated personnel inspecting location will walk the perimeter to verify no erosion is occurring and no potential contaminants are

leaving site. They will inspect the wellhead and separators as well to verify no spills have occurred.

The designated personnel will inspect each structural BMP to identify that it is functioning as intended and does not require maintenance. If maintenance is needed, or if it is not functioning as intended, the personnel will discuss with MRG's operational team other solutions to implement on the location to comply with Colorado stormwater regulations.

In accordance with Colorado Department of Public Health and Environment requirements, documented inspections will occur every 7 days until the location is stabilized. Upon stabilization, documented inspections will occur monthly. Monthly inspections will occur on the location until the location undergoes final stabilization.

Inspections will also occur within 24 hours after the end of any precipitation or snowmelt event that could cause surface erosion.

City of Loveland has their own stormwater management regulations, which shall include a preliminary drainage report, a final drainage report, and construction plans for drainage improvements. All plans and drawings not in the reports shall be on 24" x 36" paper. All storm drainage plans shall be checked for conformance to the design criteria set forth in the City of Loveland Stormwater Standards. Written approval of drainage plans must be obtained before any construction begins.

Prior to the commencement of any construction activity for an Oil and Gas Facility, all required permits for such facilities shall be approved. Required permits include, but are not limited to: A. Access permits, B. Development construction permit, C. Building permits for all qualifying buildings and structures, D. Electrical permits, and E. All federal, state, and local permits.

6. Site-Specific Construction and Stormwater/Erosion Control BMPs

MRG will comply with COGCC Rule 1002.f.(2). by utilizing BMPs at the oil and gas location to control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, site degradation and protects surface waters. Examples of engineering controls that could be used when needed are: surface roughening during reseeding; sediment traps; or straw wattles.

Good housekeeping practices will be used to reduce the risk of spills or other accidental exposure of materials and substances to Stormwater runoff. The following housekeeping practices will be followed onsite during the construction project: No solid materials, including building materials, shall be discharged to State waters; vehicular traffic will be minimized as much as possible to reduce nuisance dust and prevent further soil erosion; any trash generated during the project will be disposed of properly; Any chemicals used will be kept to a minimum; any chemical or oil spills will be cleaned up immediately in accordance with established company procedures; all materials will be stored in a neat and orderly manner in their appropriate containers; follow manufacturers' recommendations and company policies for proper use and disposal of products.

Inspections will occur every 7 days from commencement of construction until initial stabilization/production phase. Thereafter inspections will occur monthly until final stabilization.

MRG will inspect the site within 24 hours after the end of a storm event.

All spills will be immediately assessed and if there is potential for the spill leaving the site, temporary measures will be used to prevent transport off site.

Notification procedures to be used in the event of a material release or accident. At a minimum, the Stormwater Manager must be notified. Depending on the nature of the spill and the material involved, MRG, COGCC, CDPHE, downstream water users, or other agencies may also need to be notified. The WQCD toll-free 24-hour environmental emergency spill reporting line is (877) 518-5608.

If petroleum hydrocarbons or other chemicals impact stormwater as a result of activities onsite, the impacted stormwater will be addressed by following the MRG Spill Plan, and Waste Management Plan if applicable waste is generated