



Island Grove Directional Project

During construction, drilling, and operations, the following best management practices will be implemented on-site until final reclamation is achieved:

Project Phasing

- The drilling of the wells at this location will be phased. It is anticipated that 5-10 wells will be drilled as Phase I, with the remaining wells drilled in the second and/or third phase.
- Phasing the drilling schedule will minimize impacts to surrounding neighbors by reducing the length of continued drilling periods.

Fugitive Dust and Vehicle Tracking

- Traffic speeds will be limited to control fugitive dust.
- Watering will be completed to control fugitive dust as needed.
- Graveled entries will be provided for vehicle tracking control. Refer to the Stormwater Management Plan for location.
- Furrowing of disturbed soil will be provided at right angles to prevailing winds as needed.

Stormwater

- Mineral Resources maintains a Field Wide Stormwater Permit, Certification No. COR03H509. This site falls under this permit.
- Stormwater best management practices will be completed per the site specific stormwater management plan. BMPs include:
 - Installation of vehicle tracking control to minimize tracking of sediment off-site.
 - Installation of a temporary diversion to include a temporary earthen berm in conjunction with a shallow ditch along the southeast corner of the well pad. This BMP will prevent stormwater from reaching the JBS Detention Pond.
 - The existing dike along the northern banks of the Cache La Poudre River will prevent stormwater runoff from entering the river.
 - If necessary a sediment trap will be constructed to collect stormwater runoff from the temporary diversion.
 - Permanent seeding will be installed once all drilling and completion activities are finalized.
- All stormwater best management practices will remain in place until final stabilization is achieved.

Solid Waste

- The site will be cleaned of all trash and waste as soon as practical.
- All waste will be stored in sealed containers until it can be disposed of appropriately.
- Solid waste will be removed from the site and disposed of per state regulations for solid waste.

Spill Prevention

- All materials, waste, and fluids kept on-site will be stored in an appropriate manner to prevent contamination of the environment.
- If a spill occurs, it will be cleaned up using absorbent material and by removing the contaminated soil
- Any contaminated soil will be disposed of appropriately.
- All efforts will be made to prevent the spill from migrating off-site or coming into contact with stormwater runoff.
- The Spill Control and Countermeasures plan will address and control all spill procedures.

Noxious Weeds

- The site will be inspected for weed infested areas.
- Prompt action will be taken to mitigate infested areas.
- All noxious weeds identified will not be allowed to reach the flowering or seed dispersal stage.

- Vehicles will not be allowed to drive through weed infested areas.
- Machinery will not be parked in weed infested areas.
- Vehicles sent off-site regularly will be inspected to assure that undercarriages and grill works are kept free of weed seed.
- Undercarriages of vehicles or machinery potentially contaminated with noxious weed seeds will be washed before entry is made into noninfested areas.

Noise and Light Mitigation

- To the maximum extent possible, exhaust from all engines, motors, coolers, and other mechanized equipment shall be vented away from occupied buildings.
- Facilities within 400 feet of building units shall be equipped with quiet design mufflers or equivalent.
- The existing vegetation and the dyke along the northern bank of the Cache La Poudre River will provide natural noise and light mitigation to the residences located to the south.
- If noise complaints are made during drilling, Mineral Resources will take sound measurements near the River Park mobile homes and near the existing residences on the property. If the readings are found to be greater than those allowed per the COGCC for the “Residential/Agricultural/Rural” zone, hay bales or other practical measures will be utilized to create a noise buffer between areas of operation and the residences.
- All lighting will be positioned to prevent glare onto 11th Avenue and to the River Park mobile home community located south of the proposed wells.

Public Notice

- A sign with Mineral Resources’ contact information and a 24 hour contact number will be placed at or near the access road entrance.
- For this project, per the City of Greeley’s Use by Special Review process, public notice will be provided by the city staff. Notice will be provided in the following forms; by a sign, of sufficient size, placed on the property for 7 or more consecutive days prior to the meeting, by newspaper advertisement at least 5 but not more than 15 days prior to the public meetings, and by courtesy letter. At the public hearing, area residents will have the opportunity to speak and ask questions about the project.

Reclamation

- Interim and or final reclamation of the site will be completed per the COGCC rules and regulations.