

Site Specific BMPs for Rasmussen

Current Emissions Mitigation BMP:

Per Rule 604.c(2)F Encana will follow and comply with all leak detection and repair and storage tank emission management plan conditions as required by Colorado Air Quality Control Commission Regulation Number 7. This will include at least monthly Audible, Visual and Olfactory (AVO) inspections of the components and tanks at our Production Facilities at most weekly or at least monthly starting on January 1, 2015. In addition, Encana will perform infra-red camera inspections* of these components and the storage tanks at most monthly or at least annually.

* Note: FLIR inspection will not be necessary if the centralized facilities option is employed as there are no fugitive emissions points.

To be added:

1. **Emissions Mitigation** - Encana will employ an automated system to notify company personnel of any issues on location, such as equipment failure, so Encana can promptly address the issue.
2. **Emissions Mitigation** – For at least the first year, the site will be visited daily by lease operators who will ensure proper functioning of all equipment, including emission control equipment. In the case where production is sent to a centralized facility, the site will be visited daily for six months to one year.
3. **Wildlife:** Encana will comply with all state and federal wildlife laws including, but not limited to, the Migratory Bird Act. Encana may hire ecological consultants to survey the planned location for wildlife habitat. The consultants provide a report that outlines the requirements and recommendations to Encana to reduce the risk of impacting wildlife at the site
4. **Interim Reclamation** – Encana follows all regulations created by the State of Colorado and COGCC associated with noxious weeds. Encana hires contractors to control weeds and conduct reclamation at all sites. The COGCC inspects and approves all reclamation of Encana sites.
5. **Traffic Control:** Encana will widen County Road 18 along the length of the drill pad to allow trucks to pull over so that neighbors using that road may pass. Encana will develop a Traffic Control Plan that will be provided to the neighbors and be in place prior to operation. This will include an emergency exit plan.
6. **General Housekeeping:** For a traditional facility built on the location, Encana will remove unused equipment as production declines. This serves to reduce the size of the pad over time as well as reduce the visual impact.

Current Noise BMP: Encana will perform a baseline noise survey prior to any operational activity measuring dBA at a distance 350 feet from the noise source or sound levels will be measured at a point twenty-five (25) feet from

the structure towards the noise source. In situations where measurement of noise levels at three hundred and fifty (350) feet is impractical or unrepresentative due to topography, the measurement may be taken at a lesser distance and extrapolated to a 350-foot equivalent using the formula stated in Rule 802 of the State of Colorado Oil and Gas Conservation Commission. As necessary, based on the survey, Encana will install temporary sound walls to minimize noise and light impacts during drilling and completions and will install permanent noise mitigation at the facility location as necessary to meet all COGCC regulations.

To be added:

- 7. Noise Mitigation** – The drilling rig will be equipped with mufflers that further reduce rig engine noise. On the Temporary Completions Area, sound walls may be placed around the entire area, or smaller ones around equipment, as needed to mitigate noise and light. Additional noise studies may be done and additional mitigation put in place as needed.
- 8. Storm Water/Erosion Control** – Prior to filling the Modular Large Volume Tanks on the Rasmussen 19H site with water, Encana shall build a berm on the east edge of that planned location. The berm shall be topsoil and at least six feet high.
- 9. Construction** - Encana is aware of the historic cemetery near the proposed location. The cemetery is approximately 500 feet from the edge of the drilling pad. There are no plans to disturb the cemetery.