



Prevent • Promote • Protect

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### Hay Creek Ranch, Filing No. 2, SF-25-3

Please accept the following comments from El Paso County Public Health (EPCPH) regarding the project referenced above:

- The proposed 28.5-acre, 6-lot development (5-lots at 5+ acres and 1-lot at 3.5-acres) will be provided water from individual private wells. Wastewater treatment service is proposed to be by onsite wastewater treatment systems (OWTS).
- A finding for sufficiency in terms of water quality can be made at this time, with one exception. The combined radium 226+228 radiological results found by Hazen Research, Inc., from both the Denver and Dawson aquifers were slightly above the maximum contaminate level (MCL) of the Colorado Primary Drinking Water Regulations.
  - El Paso County Public Health agrees with the recommendation made by RESPEC in their 19June2024, Water Quality Report. It was recommended that *“the installation of a whole house Reverse Osmosis unit in each residence to remove the elevated levels of radium from the source water. It should be noted that the reverse osmosis unit will generate a concentrated backflow that can be wasted to the existing septic system. Given the relatively small amounts of concentrated constituents generated by a single residence reverse osmosis unit, the existing on-site septic system for each household should have the capacity to sufficiently treat the generated wastewater loadings.”*
  - In addition, EPCPH recommends a plat note be recorded with the final plat advising prospective property owners of this water quality parameter exceedance and how installing and maintaining whole house reverse osmosis systems have been proven to bring the water with this contaminate into compliance with the Colorado Primary Drinking Water Regulations.
- The RMG Engineering “Preliminary Use Only” XXNovember2024, Wastewater Study indicated the soil conditions were suitable for onsite wastewater treatment system (OWTS) installations. The OWTS’s will likely require a Colorado Registered Professional Engineer to design the OWTS’s due to high clay content in the soil and excessive rock content. Based on the report’s findings EPCPH agrees that the

**installation of OWTS's for wastewater treatment is suitable for the project.**

- **Radon resistant construction techniques are encouraged to be used. The EPA has determined that Colorado, and specifically El Paso County, have potentially higher radon levels than other areas of the country.**
- **Earthmoving activities, if greater than 25 acres, will require a Construction Activity Permit from the Colorado Department of Public Health and Environment, Air Pollution Control Division. Go to: <https://www.colorado.gov/pacific/cdphe/general-air-permits>**
- **El Paso County Public Health encourages planned walkability of residential communities. Please consider appropriate connections to neighboring areas using walking/bike trails. Walkability features help in the effort to reduce obesity and lower the risk of heart disease.**

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