



Prevent • Promote • Protect

Environmental Health Division
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Silverado Ranch, Filing No. 1, SF-18-011

Please accept these comments from El Paso County Public Health for the proposed 10 lot subdivision comprised of lots 2.5 acres plus in size.

- **The proposed 10 lot residential development will have water provided by individual private wells. Wastewater treatment is planned to be provided by onsite wastewater treatment systems (OWTS).**
- **There is a finding for sufficiency in terms of water quality based upon the results found in the August/September, 2006, Test America Analytical Corporation water quality tests/results performed for Silverado Ranch. In 2006 a standard list of constituents for water quality reviews had not yet been created. The requirements for the complete list of contaminants to be tested for was not outlined until 2008, and has been used since then for all water quality determinations. However, based on acceptable water sample results provided in all of the 2008 listed required sample categories (radionuclides, synthetic organics, volatile synthetic organics, organics, inorganics and secondary contaminants), these 2006 water quality results can be used with confidence in 2017 to determine a finding for water quality sufficiency.**
- **In 2006 Front Range Geotechnical, Inc., provided a Preliminary Geology and Surface Soils Evaluation report dated October 5, 2006, for review. This report remains the basis for determining if onsite wastewater treatment systems (OWTS) would be suitable for wastewater treatment. Soil tests were spread uniformly over the 320 acre site. No shallow ground water or bedrock was encountered in any of the soil tests. All soil test percolation rates measured were in the acceptable range for conventional soil treatment area sizing (8.9 – 40min. /inch). There is sufficient area to install both primary and secondary soil treatment areas on each proposed lot. Each lot is required to have a separate soil test in the area of the planned soil treatment area in order to accurately evaluate the soil for an onsite wastewater treatment system (OWTS). The selected primary and secondary soil treatment area sites on each lot must be protected from vehicular traffic and compaction. Protective fencing is encouraged to be installed when the lot commences development.**
- **Radon resistant construction building techniques/practices are encouraged to be used in this area. The EPA has determined that**

Colorado, and the El Paso County area, have potentially higher radon levels than other areas of the country.

- Earthmoving activity in excess of one acre, but less than twenty-five acres, will require a Construction Activity Permit from El Paso County Public Health. Go to <http://www.elpasocountyhealth.org/service/air-quality> for more information. Earthmoving activities with greater than 25 acres of disturbed soil will require permitting from the Colorado Department of Public Health and Environment, Air Pollution Control Division.
- El Paso County Public Health encourages planned walk-ability of residential communities. Please consider appropriate connections to commercial areas through the use of sidewalks, and bike trails. Walk-ability features help in the effort to reduce obesity and associated heart diseases.

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