



Prevent • Promote • Protect

Department Program

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### **Mose Minor Subdivision, MS - 205**

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

- The proposed 6.11-acre, 2-lot residential development site will be served water by individual private wells and wastewater through onsite wastewater treatment systems (OWTS). Both lots are undeveloped and require compliance with Chapter 8 (OWTS Regulations) of the El Paso County Board of Health Regulations.
- The 24July2020, RMG Soils and Geology Study and a 2020 Soil Test Pit Excavation by Geoquest, LLC., for Lot-1 were used to determine site suitability and the use of onsite wastewater treatment systems for wastewater service. Based on the report findings the use of an OWTS for each lot is acceptable. There were restrictive soil layers found in each profile hole and an engineer designed OWTS will likely be required for each lot, although there may be more suitable locations for conventional OWTS's elsewhere on each lot.
- Radium-226 was found at a level of 5.9PCI/L (pico curies per liter) exceeding the MCL of 5PCI/L. Based on Colorado geology radium commonly occurs in drinking water sources and may pose a risk to human health when ingested. It is understood that the health effects are typically seen at levels well above the 5 PCI/L which is assumed to be protective of human health. Therefore, EPCPH recommends the use of ion exchange or reverse osmosis to reduce the levels of Radium-226 in drinking water.
- The September 28, 2021, Ground Water Investigations LLC, water quality analysis was submitted and reviewed for compliance with the Colorado Primary Drinking Water Regulations established maximum contaminant levels (MCL). While private drinking water wells are not subject to regulation under the Colorado Primary Drinking Water Regulations all required contaminants, except Radium-226, were found to be in compliance with the required regulations. Therefore, EPCPH finds, with respect to the water source for Providence Point Estates, sufficiency in terms of water quality.

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