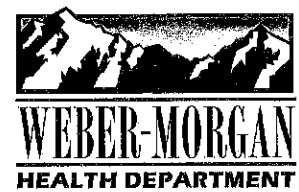


BRIAN W. BENNION, M.P.A., L.E.H.S.  
Health Officer/Executive Director



September 10, 2020

Paul Coles  
675 Windsong Lane  
North Salt Lake, Utah 84054

RE: Wastewater Site and Soils Evaluation #15047  
Approx Tolliver Lane Huntsville, UT  
Parcel # 20-035-0020

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on September 9, 2020. The exploration pit(s) is located at the referenced GPS coordinate and datum. The soil texture and structure, as classified using the USDA system, are as follows:

Exploration Pit #1 (UTM Zone 12 Nad 83 433066 E 4565368 N)  
0-10" Clay Loam, Granular Structure  
10-44" Clay Loam, Blocky Structure with some Prismatic Structure  
44-80" Sandy Clay Loam, Blocky Structure with some Massive Structure  
80-102" Caliche/Sandy Loam, Massive Structure

**Conduct the required percolation test so that the bottom of the percolation test hole is at 24 & 58 inches deep from the original grade.**

Exploration pits should be backfilled immediately upon completion to prevent a hazardous environment that may cause death or injury to people or animals.

Due to the soil types existing on this property, the final readings of the **percolation tests will need to be witnessed by a representative from the Health Department**. Please make the percolation tester aware of the requirement so that arrangements can be made. Test results will not be accepted if this requirement is not met.

Percolation tests may be completed by any individual on the enclosed list. The stabilized percolation test results are to be submitted to this office for review prior to the recommendation for further development to the appropriate planning agency or prior to the issuance of a wastewater disposal permit.

During the site and soil evaluation, numerous fissures (large open channels) were found in the soil exploration pit in the second layer of soil (10-44" Clay Loam), indicating a shrink-swell component of the clay loam soils. Due to water moving more readily through these fissures than through the small micropores in the soil, an accurate percolation test that is representative of how this soil will behave when it is continually inundated with wastewater is not possible at this time. **Due to this, the percolation test in this soil layer (24 inches deep from original grade) will need to be performed and witnessed by a member of our staff during the springtime when soils are swollen due to winter runoff. This percolation test will need to be performed between the winter runoff and the end of May before the soils dry out and fissuring develops.**

If you have any further questions, contact this office at your convenience.

Sincerely,

Craig Jorgensen  
Environmental Health Division  
801-399-7160

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