



## WEBER-MORGAN HEALTH DEPARTMENT

GARY M. HOUSE, M.P.H.  
Health Officer / Director

March 26, 2014

Division Directors  
KAY LARRISON, Administration  
CLAUDIA PRICE, Nursing & Health Promotion  
LOUIS K. COOPER, Environmental Health  
COLLEEN JENSON, WIC

Paul Clark  
3872 W 2550 S  
Taylor, UT 84401

RE: Wastewater Site and Soils Evaluation #14027  
400 S 4300 W, Ogden UT  
Parcel #15-049-0005

Dear Mr. Clark:

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on March 24, 2013. The exploration pit (s) is located at the referenced GPS coordinate and datum. The soil horizons, required percolation depths, actual and anticipated maximum ground water tables have been logged as follows:

Exploration Pit #1 (UTM Zone 12T, Nad 83, 0409176E 4567882N)

0-18" loam, granular structure  
18-50" sandy clay loam, massive structure  
50-73" sandy clay loam, platy structure, many mottles >20% (this horizon is a lacustrine (lake) deposit dominated by inter-bedded sands, sandy clay loams, and sandy clays. Individual layer thickness can be measured as inches. Platy structure is caused by sedimentary grain sized differences in these individual layers. This layer has been generalized as a sandy clay loam, platy structure from this point forward.

Ground water observed at 73 inches

Exploration Pit #2 (UTM Zone 12T, Nad 83, 0409188E 4567860N)

0-22" loam, granular structure  
22-55" sandy clay loam, massive structure  
55-78" sandy clay loam, platy structure, many mottles >20%

Ground water observed at 78 inches

Exploration Pit #3 (UTM Zone 12T, Nad 83, 0409149E 4567871N)

0-21" loam, granular structure  
21-55" sandy clay loam, massive structure  
55-79" sandy clay loam, platy structure, many mottles >20%

Ground water observed at 79 inches

Exploration Pit #4 (UTM Zone 12T, Nad 83, 0409163E 45687910N)

0-18" loam, granular structure  
18-48" sandy clay loam, massive structure  
48-73" sandy clay loam, platy structure, many mottles >20%

Ground water observed at 73 inches

Exploration Pit #5 (UTM Zone 12T, Nad 83, 0409138E 4567943N)  
0-20" loam, granular structure  
20-55" sandy clay loam, massive structure  
55-70" sandy clay loam, platy structure, many mottles >20%  
Ground water observed at 70 inches

Exploration Pit #6 (UTM Zone 12T, Nad 83, 0409124E 4567964N)  
0-18" loam, granular structure  
18-44" sandy clay loam, massive structure  
44-68" sandy clay loam, platy structure, many mottles >20%  
Ground water observed at 68 inches

Exploration Pit #7 (UTM Zone 12T, Nad 83, 0409107E 4567988N)  
0-20" loam, granular structure  
20-45" sandy clay loam, massive structure  
45-60" sandy clay loam, platy structure, many mottles >20%  
Ground water observed at 60 inches

Exploration Pit #8 (UTM Zone 12T, Nad 83, 0409070E 4568002N)  
0-22" loam, granular structure  
22-50" sandy clay loam, massive structure  
50-55" sandy clay loam, platy structure, many mottles >20%  
Ground water observed at 55 inches

Exploration Pit #9 (UTM Zone 12T, Nad 83, 0409064E 4567971N)  
0-22" loam, granular structure  
22-54" sandy clay loam, massive structure  
54-60" sandy clay loam, platy structure, many mottles >20%  
Ground water observed at 60 inches

Exploration Pit #10 (UTM Zone 12T, Nad 83, 0409084E 4567971N)  
0-25" loam, granular structure  
25-54" sandy clay loam, massive structure  
54-60" sandy clay loam, platy structure, many mottles >20%  
Ground water observed at 60 inches

Exploration Pit #11 (UTM Zone 12T, Nad 83, 0409106E 4567945N)  
0-24" loam, granular structure  
24-55" sandy clay loam, massive structure  
55-64" sandy clay loam, platy structure, many mottles >20%  
Ground water observed at 64 inches

Exploration Pit #12 (UTM Zone 12T, Nad 83, 0409120E 4567920N)  
0-28" loam, granular structure  
28-58" sandy clay loam, massive structure  
58-67" sandy clay loam, platy structure, many mottles >20%  
Ground water observed at 67 inches

Exploration Pit #13 (UTM Zone 12T, Nad 83, 0409136E 4567900N)  
0-19" loam, granular structure  
19-49" sandy clay loam, massive structure  
49-70" sandy clay loam, platy structure, many mottles >20%  
Ground water observed at 70 inches

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

Due to the homogenous nature of the soils evaluated, a minimum of five soil exploration test pit should have a percolation tests conduct so that the bottom of the percolation tests hole is at 36 inches deep from the original grade. The five percolation test should be spaced to be representative of the


property as a whole. Please use the soil test pit nomenclature as indicated in the map provided by our office.

Percolation tests may be completed by any individual included 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.

Monitoring of the maximum ground water table is required in the location of the above listed exploration pits. Please complete the enclosed application for maximum ground water table monitoring and return it along with the appropriate fees. The wells should be constructed in accordance with the enclosed diagram in order to provide the most accurate water table readings possible.

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

Sincerely,



Summer Day, LEHS  
Environmental Health Division



1 inch = 200 feet