

## WEBER-MORGAN HEALTH DEPARTMENT

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

November 15, 2006

Division Directors  
KAY LARRISON, Administration  
CLAUDIA PRICE, Nursing  
JOE DECARIA, Environmental Health  
COLLEEN JENSON, WIC

Weber County Planning Commission  
2380 Washington Blvd.  
Ogden, UT 84401

RE: Harris Property, 21 Lots  
3181 E. 3350 N., Liberty  
Parcel #22-023-0025

Gentlemen:

The plans and supporting information for the above-referenced subdivision have been reviewed.

Culinary water will be provided by the Liberty Water District, an extension of an existing approved community water system. **A letter from the water supplier is required.**

Soil characteristics, percolation rates of 45 MPI, and anticipated ground water tables not to exceed 48 inches, fall within the range of acceptability for the utilization of a Conventional Wastewater Disposal System as a means of wastewater disposal. Maximum trench depth is limited to 24 inches.

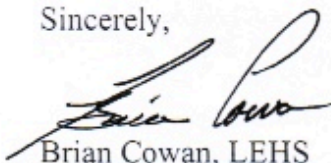
Plans for the construction of any wastewater disposal system are to be prepared by a Utah State certified individual and submitted to this office for review prior to the issuance of a Wastewater Disposal permit.

All subdivision plats submitted for review are to show the location of exploration pits and percolation tests. Key number or letter designation will be provided by this office along with logs of soil horizons and final percolation rates. Mylars submitted for signature without this information will be returned.

Each on-site individual wastewater disposal system must be installed in accordance with R317-501 through R317-513, Utah Administrative Code, Individual Wastewater Disposal Systems and Weber-Morgan District Health Department Rules. Final approval will be given only after an on-site inspection of the completed project and prior to the accomplishment of any backfilling.

Please be advised that the conditions of this letter are valid for a period of 18 months. At that time the site will be re-evaluated in relation to rules in effect at that time.

Sincerely,



Brian Cowan, LEHS  
Environmental Health Division

BC/jc





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Health Officer / Director

November 15, 2006

Division Directors  
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Jerry Preston  
P.O. Box 980  
Farmington, UT 84025

RE: Wastewater Site and Soils Evaluation #13289  
3181 E. 3350 N., Liberty  
Parcel #22-023-0025

Dear Mr. Preston:

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on October 30, 2006. The exploration pit is located on the enclosed plat developed during the site evaluation along with the assigned numerical code for each exploration pit. The soil horizons, required percolation depths, actual and anticipated maximum ground water tables have been logged as follows:

Exploration Pit #1 (Lot 1)

0-28" gravelly silt loam, granular structure, 20% gravel  
28-110" gravelly silt loam, massive structure, 40% gravel  
Required percolation tested @ 24" - 40 MPI  
Slope 15%

Exploration Pit #2 (Lot 2)

0-38" gravelly silt loam, granular structure, 20% gravel  
38-110" gravelly silt loam, massive structure, 40% gravel  
Required percolation tested @ 24" - 32 MPI  
Slope 15%

Exploration Pit #3 (Lot 3)

0-32" gravelly silt loam, granular structure, 20% gravel  
32-110" gravelly silt loam, massive structure, 40% gravel  
Required percolation tested @ 24" - 40 MPI  
Slope 15%-10%

Exploration Pit #4 (Lot 4)

0-27" gravelly silt loam, granular structure, 20% gravel  
27-118" gravelly silt loam, massive structure, 45% gravel  
Required percolation tested @ 24 - 32 MPI  
Slope 10%-15%

Exploration Pit #5 (Lot 5)

0-34" gravelly silt loam, granular structure, 15% gravel  
34-117" gravelly silt loam, massive structure, 45% gravel  
Required percolation tested @ 24" - 40 MPI  
Slope 15%-20%

Exploration Pit #6 (Lot 6)

0-32" gravelly silt loam, granular structure, 15% gravel  
34-110" gravelly silt loam, massive structure, 45%  
Required percolation tested @ 24" - 40 MPI  
Slope 15%-20%

Exploration Pit #7 (Lot 7)

0-32" gravelly silt loam, granular structure, 15% gravel  
32-117" gravelly silt loam, massive structure, 45% gravel  
Required percolation tested @ 24" - 40 MPI  
Slope 15%-20%

Exploration Pit #8 (Lot 8)

0-28" gravelly silt loam, granular structure, 15% gravel  
28-104" gravelly silt loam, massive structure, 45% gravel  
Required percolation tested @ 24" - 40 MPI  
Slope 15%-20%

Exploration Pit #9 (Lot 9)

0-33" gravelly silt loam, granular structure, 15% gravel  
33-117" gravelly silt loam, massive structure, 45% gravel  
Required percolation tested @ 24" - 32 MPI  
Slope 15%-20%

Exploration Pit #10 (Lot 10)

0-28" gravelly silt loam, granular structure, 15% gravel  
28-109" gravelly silt loam, massive structure, 45% gravel  
Required percolation tested @ 24" - 40 MPI  
Slope 15%-20%

Exploration Pit #11 (Lot 11)

0-30" gravelly silt loam, granular structure, 15% gravel  
112" gravelly silt loam, massive structure, 45% gravel  
Required percolation tested @ 24" -40 MPI  
Slope 15%-20%

Exploration Pit #12 (Lot12)

0-35" gravelly silt loam, granular structure, 15% gravel  
124" gravelly silt loam, massive structure, 45% gravel  
Required percolation tested @ 24" - 40 MPI  
Slope 15%-20%



Exploration Pit #13 (Lot 14)

0-24" silt loam, granular structure, 1% gravel  
24-81" gravelly silt loam, massive structure, 15% gravel  
Required percolation tested @ 24" - 40 MPI  
Slope 15%-20%

Exploration Pit #14 (Lot 15)

0-32" gravelly silt loam, granular structure, 15% gravel  
108" gravelly silt loam, massive structure, 45% gravel  
Required percolation tested @ 24" - 32 MPI  
Slope 15%-20%

Exploration Pit #15 (Lot 16)

0-32" gravelly silt loam, granular structure, 15% gravel  
32-108" gravelly silt loam, massive structure, 45% gravel  
Required percolation tested @ 24" - 32 MPI  
Slope 15%-20%

Exploration Pit #16 (Lot 17)

0-32" gravelly silt loam, granular structure, 20% gravel  
32-108" gravelly silt loam, massive structure, 40% gravel & cobble  
Required percolation tested @ 24" - 40 MPI  
Slope 10%-15%

Exploration Pit #17 (Lot 18)

0-24" gravelly silt loam, granular structure, 20% gravel  
24-101" gravelly silt loam, massive structure, 40% gravel & cobble  
Required percolation tested @ 24" - 32 MPI  
Slope 10%-15%

Exploration Pit #18 (Lot 19)

0-30" gravelly silt loam, granular structure, 20% gravel  
30-99" gravelly silt loam, massive structure, 40% gravel & cobble  
Required percolation tested @ 24" - 40 MPI  
Slope 10%-15%

Exploration Pit #19 (Lot 20)

0-33" gravelly silt loam, granular structure, 20% gravel  
33-111" gravelly silt loam, massive structure, 40% gravel & cobble  
Required percolation tested @ 24" - 40 MPI  
Slope 10%-15%

Exploration Pit #20 (Lot 21)

0-36" gravelly silt loam, granular structure, 20% gravel  
36-115" gravelly silt loam, massive structure, 40% gravel & cobble  
Required percolation tested @ 24" - 40 MPI

Exploration Pit #21

0-30" gravelly silt loam, granular structure, 20% gravel

30-95" gravelly silt loam, massive structure, 40% gravel & cobble

Required percolation tested @ 24" - 53.33 MPI

Exploration Pit #22 (Lot 13)

0-28" gravelly silt loam, granular structure, 20% gravel

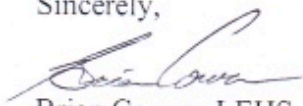
28-112" gravelly silt loam, massive structure, 40% gravel & cobble

Slope 10%-15%

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.

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

Sincerely,



Brian Cowan, LEHS  
Environmental Health Division

BC/jc





# WEBER-MORGAN HEALTH DEPARTMENT

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

May 31, 2007

**RECEIVED**  
BY *JP* | DATE *6-5-07*

Division Directors  
KAY LARRISON, Administration  
CLAUDIA PRICE, Nursing  
JOE DECARIA, Environmental Health  
COLLEEN JENSON, WIC

Jerry Preston  
P.O. Box 980  
Farmington, UT 84025

RE: Wastewater Site and Soils Evaluation #13289  
3300 E 3300 N., Liberty  
Parcel #

Dear Mr. Preston:

An evaluation of the site and soils at the above-referenced address was completed by staff of this office on May 30, 2007. The exploration pit is located on the enclosed plat developed during the site evaluation along with the assigned numerical code for each exploration pit. The soil horizons, required percolation depths, actual and anticipated maximum ground water tables have been logged as follows:

#### Exploration Pit #1C

0-32 loam, granular structure, 2% gravel  
32-72" loam, massive structure, 10% gravel  
72-152" silt loam, massive structure, 10% gravel  
152-170" gravelly sandy loam, 30% gravel

#### Exploration Pit #2C

0-34" loam, granular structure, 2% gravel  
34-95" loam, massive structure, 10% cobble & gravel  
95-130" silt loam, massive structure, 10% cobble & gravel  
Observed ground water table 122"

#### Exploration Pit #21C

0-16" loam, granular structure, 2% gravel  
16-63" gravelly loam, 20% stone & cobble  
63-127" gravelly sandy loam, 20% cobble

#### Exploration Pit #23C

0-32" loam, granular structure, 8% gravel  
32-72" gravelly loam, 20% stone and cobble  
72-138" gravelly sandy loam, 20% cobble

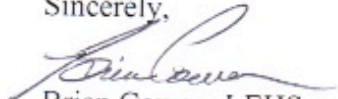
Exploration pits should be backfilled immediately upon completion of percolation testing to prevent a hazardous environment that may cause death or injury to people or animals.

Conduct the percolation test so the bottom of the percolation test hole is at 18 inches deep from the original grade. Test pit #21C to be conducted at 70 inches from the original grade.

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.

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

Sincerely,



Brian Cowan, LEHS  
Environmental Health Division

BC/jc





## WEBER / MORGAN COUNTY HEALTH DEPARTMENT PERCOLATION TEST

Date: 06/11/07  
 Name of Client: Jerry Preston - #9000-B47  
 Location of Property: 3200 E. 3350 N., Liberty, Utah, Evaluation # 13289

Date Percolation Tests were Completed: 06/09/07

Depth to Water Table / Soil Conditions: Refer to Health Department Soil Logs

I hereby certify to the best of my knowledge that percolation tests have been conducted on the above property in accordance with requirements specified in R317-4-5.4, Utah Administrative Code, and that percolation rates, calculated as specified by said rule, are as follows:

| Perc. Test Number | Exploration Pit / Lot Number | Test Hole Depth (in) | Saturation Period (hrs & min) | Swelling Period (hrs & min) | Inches of Drop /Final number of minutes | Final Stabilized Percolation Rate Minutes/Inch |
|-------------------|------------------------------|----------------------|-------------------------------|-----------------------------|---|--|
| 1                 | 1C                           | 18"                  | 4 hrs                         | 20 ½ hrs                    | 0.312" / 10 min                         | 32.00  |
| 2                 | 2C                           | 18"                  | 4 hrs                         | 20 ½ hrs                    | 0.312" / 10 min                         | 32.00  |
| 3                 | 21C                          | 70"                  | 4 hrs                         | 20 ½ hrs                    | 0.75" / 10 min                          | 13.33  |
| 4                 | 23C                          | 18"                  | 4 hrs                         | 20 ½ hrs                    | 0.312" / 10 min                         | 32.00  |

J. Nate Reeve, P.E.





## WEBER / MORGAN COUNTY HEALTH DEPARTMENT PERCOLATION TESTS

Date: 04/16/07  
 Name of Developer / Development: Harris Property, Jerry Preston, 9000-B41  
 Location of Property: Approx. 3350 North 3200 East, Eden, Weber County  
 Name of Person Performing Test(s): J. Nate Reeve

Depth to Water  
Table

Refer to Health Department Soil Logs (Ground Water Not Visible @ Time of Testing)

I certify that percolation tests have been conducted on the above property in accordance with requirements specified in R317-511, Utah Administrative Code, and that percolation rates, calculated as specified by said rule, are as follows:

| Revised Lot Number/<br>Test Pit | Percolation Test Depth | Time Interval Used for Drop | Hole Width | Period of Time Hole was Saturated | Stabilized Percolation Rate in Minutes/Inch |
|---------------------------------|------------------------|-----------------------------|------------|-----------------------------------|---|
| 1                               | 12"                    | 10 Minutes                  | 6.00"      | 21 Hours                          | 32.00                                       |
| 1                               | 60"                    | 10 Minutes                  | 11.00"     | 21 Hours                          | 16.00                                       |
| 2                               | 12"                    | 10 Minutes                  | 6.00"      | 21 Hours                          | 32.00                                       |
| 2                               | 59"                    | 10 Minutes                  | 12.00"     | 21 Hours                          | 16.00                                       |
| 5                               | 12"                    | 10 Minutes                  | 6.00"      | 21 Hours                          | 40.00                                       |
| 5                               | 64"                    | 10 Minutes                  | 10.50"     | 21 Hours                          | 13.33                                       |
| 9                               | 12"                    | 10 Minutes                  | 6.00"      | 21 Hours                          | 40.00                                       |
| 9                               | 61"                    | 10 Minutes                  | 12.00"     | 21 Hours                          | 14.54                                       |
| 12                              | 12"                    | 10 Minutes                  | 6.00"      | 21 Hours                          | 40.00                                       |
| 12                              | 60"                    | 10 Minutes                  | 12.00"     | 21 Hours                          | 14.54                                       |

|    |     |            |        |          |       |
|----|-----|------------|--------|----------|-------|
| 15 | 12" | 10 Minutes | 6.00"  | 21 Hours | 40.00 |
| 15 | 58" | 10 Minutes | 12.00" | 21 Hours | 16.00 |
| 16 | 12" | 10 Minutes | 6.00"  | 21 Hours | 40.00 |
| 16 | 63" | 10 Minutes | 11.00" | 21 Hours | 10.67 |
| 21 | 12" | 10 Minutes | 6.00"  | 21 Hours | 40.00 |
| 21 | 62" | 10 Minutes | 11.00" | 21 Hours | 16.00 |



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J. Nate Reeve P.E.

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