



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE  
ER-BWQ-290 Appendix A**

Application No: S-43269 Lombardo Tract Municipality: Grove Township County: Cameron  
 Site Location: Benson Road (4-32-0-015-000-CG-000) Subdivision Name: Botom of Hill Lot # East  
 Soil Type: BxD Slope: 24% Limiting Zone Depth: 78 Perc. Rate = 21.7  
 **SUITABLE**  Mottling  Seeps or Poned Water  Bedrock  Fractures  Coarse Fragments  
 **UNSUITABLE**  Perc. Rate  Slope  Unstabilized Fill  Floodway  Other: None to 78"

**SOILS DESCRIPTION:**

Soils Description Completed by: Russ Braun, SEO Date: 15-Sep-19

Inches	Inches	Description of Soil Horizons	Depth To Limiting Zone:
0	TO 4	Black / Dark Brown Silt Loam / Forest Duff	
4	TO 49	Dark Yellowish Brown Channerly (SS) Silt Loam	
49	TO 78	Dark Brown Very Channerly (SS) Silt Clay Loam	
	TO	to 78-inches at pit bottom	78 Inches

Comments: \_\_\_\_\_

**PERCOLATION TEST:**

Percolation Test Completed By: Russ Braun, SEO Date: 9-Apr-21

Weather Conditions:  Below 40  40 F or  Dry  Rain, Sleet, Snow- last 24

Soil Conditions:  Moist  Dry  Frozen

Hole #	*** Yes	*** No	Reading interval	Reading #1 Inches of Drop	Reading #2 Inches of Drop	Reading #3 Inches of Drop	Reading #4 Inches of Drop	Reading #5 Inches of Drop	Reading #6 Inches of Drop	Reading #7 Inches of Drop	Reading #8 Inches of Drop
1	X		30	1	1	1.25	1				
2	X		30	1.75	1.5	1.5	1.5				
3	X		30	1.25	1.25	1.25	1				
4		X	30	2	2	2	2				
5	X		30	1.5	1.5	1.25	1.5				
6		X	30	2	2	2	2				

\*\*\* Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval: No, use 10-minute interval.


**Calculation of Average Percolation Rate:**

Hole #	Drop During Final Period	Perc. Rate as Min. per Inch	Depth of Hole
1	1	30.0	12"
2	1.5	20.0	12"
3	1	30.0	12"
4	2	15.0	12"
5	1.5	20.0	12"
6	2	15.0	12"

TOTAL OF MIN / IN 130 = **21.7 Min/inch**

TOTAL NO. OF HOLES 6

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by the Department.

(S)   
Sewage Enforcement Officer



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ER-BWQ-290 Appendix A**

Application No: S-43269 Lombardo Tract Municipality: Grove Township County: Cameron  
 Site Location: Benson Road (4-32-0-015-000-CG-000) Subdivision Name: -Top Of Hill Lot # West  
 Soil Type: LeF Slope: 24% Limiting Zone Depth: 78 Perc. Rate = 21.7  
 **SUITABLE**  Mottling  Seeps or Poned Water  Bedrock  Fractures  Coarse Fragments  
 **UNSUITABLE**  Perc. Rate  Slope  Unstabilized Fill  Floodway  Other: None to 78"

**SOILS DESCRIPTION:**

Soils Description Completed by: Russ Braun, SEO Date: 15-Sep-19

Inches	Inches	Description of Soil Horizons	Depth To Limiting Zone:
<u>0</u>	<u>TO</u>	<u>24</u>	<u>Dark Yellowish Brown Flaggy Silt Loam / Forest Duff</u>
<u>24</u>	<u>TO</u>	<u>78</u>	<u>Dark Yellowish Brown Very Channerly / Flaggy (SS) Silt Loam</u>
<u>78</u>	<u>TO</u>	<u>to Pit Bottom</u>	<u>78</u> Inches

Comments: \_\_\_\_\_

**PERCOLATION TEST:**

Percolation Test Completed By: Russ Braun, SEO Date: 9-Apr-21

Weather Conditions:  Below 40  40 F or  Dry  Rain, Sleet, Snow- last 24

Soil Conditions:  Moist  Dry  Frozen

Hole #	*** Yes	*** No	Reading interval	Reading # 1 Inches of Drop	Reading # 2 Inches of Drop	Reading # 3 Inches of Drop	Reading # 4 Inches of Drop	Reading # 5 Inches of Drop	Reading # 6 Inches of Drop	Reading # 7 Inches of Drop	Reading # 8 Inches of Drop
1	X		30	2.25	2	2	2				
2	X		30	1.25	1	1	1				
3	X		30	1.25	1.25	1	1				
4	X		30	1	0.75	0.75	0.75				
5	X		30	0.75	1	1	75				
6	X		30	2.25	2.25	2	2				

\*\*\* Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval: No, use 10-minute interval.

**Calculation of Average Percolation Rate:**

Hole #	Drop During Final Period	Perc. Rate as Min. per Inch	Depth of Hole
1	2	15.0	12"
2	1	30.0	12"
3	1	30.0	12"
4	0.75	40.0	12"
5	75	0.4	12"
6	2	15.0	12"

TOTAL OF MIN / IN 130.4 = **21.7 Min/inch**

TOTAL NO. OF HOLES 6

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by the Department.

(S) Russ Braun  
Sewage Enforcement Officer