

**SITE INVESTIGATION AND PERCOLATION
 TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. 561415-25-002 Municipality U. Turkeyfoot Twp County Somerset

Site Location _____ Lake Pyle _____ Subdivision Name _____

- SUITABLE Soil Type _____ Slope 7% Depth to Limiting Zone 21 SHWT Avg. Perc. Rate 9.5
 UNSUITABLE Mottling Seeps or Pounded Water Bedrock Fractures Coarse Fragments
 Per. Rate Slope Unstabilized Fill Floodway Other

SOILS DESCRIPTION:

Soils Description Completed by: Reginald L. Musser, SEO #3440 Date: 4/17/2025

Inches					Description of Horizon
TP-3 0	TO	<u>7</u>	10YR	4 / 2	Gravelly Silt Loam, Weak Granular, V. Friable, Smooth Boundary.
<u>7</u>	TO	<u>21</u>	10YR	5 / 6	Channry Silty Clay Loam, Mod. Subangular Blocky, Fr., Wavy Bndry.
<u>21</u>	TO	<u>30</u>	10YR	5 / 4	Ch. Silty Clay Loam, Mod. SBK, Friable, Common Distinct Mottles.
TP-4 0	TO	<u>9</u>	10YR	4 / 3	Ch. Silt Loam, Weak Granular, Very Firable, Smooth Boundary.
<u>9</u>	TO	<u>22</u>	10YR	5 / 6	Ch. Silty Clay Loam, Mod. Subangular Blocky, Friable, Wavy Bndry.
<u>22</u>	TO	<u>28</u>	10YR	5 / 6	Ch. Silty Clay Loam, Mod. SBK, Fr., Common Distinct Mottles.

PERCOLATION TEST:

Percolation Test Completed by: Justin L Ott (SEO Rep.) Date: 4/29/2025

Weather Conditions: Below 40 F 40 F or Above Dry Rain, Sleet, Snow (last 24 hours)

Soil Conditions: Wet Dry Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1		X	10	5.875	5.750	5.000	5.125	4.125	4.250	4.500	4.250
2		X	10	3.000	3.125	2.375	2.375	2.250	2.125		
3	X		30	3.000	4.500	4.250	4.500	4.500	4.375		
4	X		30	5.625	4.750	4.625	4.000	4.125	4.000	3.875	
5	X		30	4.875	3.625	3.375	3.500	3.500			
6	X		30	1.750	1.375	1.375	1.125	1.125			

*** 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 No.	Drop during final period	Perc. Rate as Minutes / Inch	Depth of Hole
<u>1</u>	<u>4.250 "</u>	<u>2.35</u>	<u>20 "</u>
<u>2</u>	<u>2.125 "</u>	<u>4.71</u>	<u>20 "</u>
<u>3</u>	<u>4.375 "</u>	<u>6.86</u>	<u>20 "</u>
<u>4</u>	<u>3.875 "</u>	<u>7.74</u>	<u>20 "</u>
<u>5</u>	<u>3.500 "</u>	<u>8.57</u>	<u>20 "</u>
<u>6</u>	<u>1.125 "</u>	<u>26.67</u>	<u>20 "</u>
TOTAL OF MIN/IN →		<u>56.90</u>	= <u>9.5</u> <u>Min</u> / <u>Inch</u>
TOTAL NO. OF HOLES →		<u>6</u>	

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 of Environmental Protection (DEP).

(S) _____
 Sewage Enforcement Officer (SEO)

- White - Local Agency Pink - Local DEP Office Yellow - Applicant

**SITE INVESTIGATION AND PERCOLATION
 TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. 561415-25-002 Municipality Upper Turkeyfoot Twp County Somerset

Site Location _____ Lake Pyle _____ Subdivision Name _____ Lake Pyle Collective _____

SUITABLE Soil Type _____ Slope _____ **9%** Depth to Limiting Zone **20" SHWT** Avg. Perc. Rate **3.1**
 UNSUITABLE Mottling Seeps or Pounded Water Bedrock Fractures Coarse Fragments
 Per. Rate Slope Unstabilized Fill Floodway Other

SOILS DESCRIPTION:

Soils Description Completed by: Reginald L. Musser, SEO #3440 Date: 4/17/2025

Inches					Description of Horizon
TP-5 0	TO	<u>7</u>	10YR	4 / 4	Chanrry Silt Loam, Weak Granular, Very Friable, Smooth Boundary.
<u>7</u>	TO	<u>20</u>	10YR	5 / 6	Ch. Silty Clay Loam, Mod. Subangular Blocky, Fr., Smooth Bndry.
<u>20</u>	TO	<u>23</u>	10YR	5 / 6	Ch. Silty Clay Loam, Mod. SBK, Fr., Common Distinct Mottles.
TP-6 0	TO	<u>5</u>	10YR	4 / 3	Ch. Silt Loam, Weak Granular, Very Firable, Smooth Boundary.
<u>5</u>	TO	<u>23</u>	10YR	5 / 6	Ch. Silty Clay Loam, Mod. Subangular Blocky, Friable, Wavy Bndry.
<u>23</u>	TO	<u>28</u>	10YR	5 / 6	Bedrock

PERCOLATION TEST:

Percolation Test Completed by: Justin L Ott (SEO Rep.) Date: 4/29/2025

Weather Conditions: Below 40 F 40 F or Above Dry Rain, Sleet, Snow (last 24 hours)

Soil Conditions: Wet Dry Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1		X	10	7.125	6.250	5.875	6.125	5.750	5.125	5.250	6.125
2		X	10	6.500	6.000	5.625	5.750	6.000	5.875	5.875	5.875
3		X	10	8.750	6.500	7.125	5.625	6.250	5.500	5.000	5.000
4		X	10	4.750	5.125	5.250	5.000	4.750	6.125	5.250	5.750
5	X		30	6.375	6.125	6.125	6.250				
6	X		30	4.500	4.250	4.375	4.375				

*** 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 No.	Drop during final period	Perc. Rate as Minutes / Inch	Depth of Hole
<u>1</u>	<u>6.125 "</u>	<u>1.63</u>	<u>20 "</u>
<u>2</u>	<u>5.875 "</u>	<u>1.70</u>	<u>20 "</u>
<u>3</u>	<u>5.000 "</u>	<u>2.00</u>	<u>17.5 "</u>
<u>4</u>	<u>5.750 "</u>	<u>1.73</u>	<u>17.5 "</u>
<u>5</u>	<u>6.250 "</u>	<u>4.80</u>	<u>15 "</u>
<u>6</u>	<u>4.375 "</u>	<u>6.86</u>	<u>15 "</u>
TOTAL OF MIN/IN →		<u>18.72</u>	= <u>3.1</u> $\frac{\text{Min}}{\text{Inch}}$
TOTAL NO. OF HOLES →		<u>6</u>	

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(S) _____
 Sewage Enforcement Officer (SEO)

White - Local Agency

Pink - Local DEP Office

Yellow - Applicant

**SITE INVESTIGATION AND PERCOLATION
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INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. 561415-25-002 Municipality Upper Turkeyfoot Twp County Somerset

Site Location _____ Lake Pyle _____ Subdivision Name _____ Lake Pyle Collective _____

SUITABLE Soil Type _____ Slope _____ Depth to Limiting Zone 12 SHWT Avg. Perc. Rate N/A
 UNSUITABLE Mottling Seeps or Pounded Water Bedrock Fractures Coarse Fragments
 Per. Rate Slope Unstabilized Fill Floodway Other

SOILS DESCRIPTION:

Soils Description Completed by: Reginald L. Musser, SEO #3440 Date: 4/17/2025

Inches					Description of Horizon
TP-1 0	TO	10	10YR	4 / 3	Ch. Silt Loam, Weak Granular, Very Friable, Smooth Boundary.
10	TO	20	10YR	5 / 4	Very Ch. Silty Clay Loam, Mod. Subangular Blocky, Fr., Wavy Bndry.
20	TO	31	10YR	5 / 6	Very. Ch. Silty Clay Loam, Mod. SBK, Fr., Common Distinct Mottles.
TP-2 0	TO	5	10YR	4 / 3	Ch. Silt Loam, Weak Granular, Very Firable, Smooth Boundary.
5	TO	12	10YR	5 / 6	Ch. Silty Clay Loam, Mod. SBK, Fr., Common Distinct Mottles.
12	TO	22	10YR	5 / 6	Ch. Silty Clay Loam, Mod. SBK, Fr., Common Distinct Mottles.

PERCOLATION TEST:

Percolation Test Completed by: N/A Date: _____

Weather Conditions: Below 40 F 40 F or Above Dry Rain, Sleet, Snow (last 24 hours)

Soil Conditions: Wet Dry Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1			30								
2			30								
3			30								
4			30								
5			30								
6			30								

*** 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 No.	Drop during final period	Perc. Rate as Minutes / Inch	Depth of Hole
1	_____ "	_____	_____ "
2	_____ "	_____	_____ "
3	_____ "	_____	_____ "
4	_____ "	_____	_____ "
5	_____ "	_____	_____ "
6	_____ "	_____	_____ "
TOTAL OF MIN/IN →		<u>0.00</u>	= _____ <u>Min</u> <u>Inch</u>
TOTAL NO. OF HOLES →		<u>0</u>	

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 of Environmental Protection (DEP).
 (S) _____
 Sewage Enforcement Officer (SEO)

**SITE INVESTIGATION AND PERCOLATION
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Application No. 561415-25-002 Municipality Upper Turkeyfoot Twp County Somerset

Site Location _____ Lake Pyle _____ Subdivision Name _____ Lake Pyle Collective _____

SUITABLE Soil Type _____ Slope _____ Depth to Limiting Zone 12 SHWT Avg. Perc. Rate N/A
 UNSUITABLE Mottling Seeps or Ponded Water Bedrock Fractures Coarse Fragments
 Per. Rate Slope Unstabilized Fill Floodway Other

SOILS DESCRIPTION:

Soils Description Completed by: Reginald L. Musser, SEO #3440 Date: 4/17/2025

Inches	Description of Horizon	
TP-X 0 TO 7	10YR 4 / 3	Ch. Silt Loam, Weak Granular, Very Friable, Smooth Boundary.
7 TO 14	10YR 5 / 4	Very Ch. Silty Clay Loam, Mod. SBK, Fr., Common Distinct Mottles.
14 TO 22	10YR 5 / 6	Very. Ch. Silty Clay Loam, Mod. SBK, Fr., Common Distinct Mottles.
_____ TO _____	_____	_____
_____ TO _____	_____	_____
_____ TO _____	_____	_____

PERCOLATION TEST:

Percolation Test Completed by: N/A Date: _____

Weather Conditions: Below 40 F 40 F or Above Dry Rain, Sleet, Snow (last 24 hours)

Soil Conditions: Wet Dry Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1			30								
2			30								
3			30								
4			30								
5			30								
6			30								

*** 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 No.	Drop during final period	Perc. Rate as Minutes / Inch	Depth of Hole
1	_____ "	_____	_____ "
2	_____ "	_____	_____ "
3	_____ "	_____	_____ "
4	_____ "	_____	_____ "
5	_____ "	_____	_____ "
6	_____ "	_____	_____ "
TOTAL OF MIN/IN →		<u>0.00</u>	= <u>_____</u> $\frac{\text{Min}}{\text{Inch}}$
TOTAL NO. OF HOLES →		<u>0</u>	

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 of Environmental Protection (DEP).
 (S) _____
 Sewage Enforcement Officer (SEO)

GENERAL INSTRUCTIONS:

This form is to be utilized to record the results of site testing for the installation of an onlot sewage system. The first section of this form provides general site information, location and a summary of the observed site conditions. Based on the conditions present, the SEO should check the appropriate suitability block in this section. The type of limiting zone must be noted such as "mottling," "bedrock," ect.

SOILS DESCRIPTION:

The name of the individual providing the soils description must be provided, as well as the date of the evaluation. Describe the soil profile by horizons. For each horizon, indicate the depth from the mineral soil surface at which the horizon begins and ends. Indicate the presence and depth of any water seeps or standing water, also describe texture; structure; percentage of coarse fragments; color, indication of mottling; bedrock; masses of loose fragments or gravel or fractures or solution channels, all of which could allow unrestricted downward movement of effluent without treatment; any other appropriate information.

Beside the soils description, indicate the depth to limiting zone in inches; if no limiting zone was observed in the excavaiton, indicate that the limiting zone was greater than the depth of the probe. For example: more than 84"

PERCOLATION TEST:

The name of the individual conducting the test and the date of the test must be provided. The general conditions under which the test was completed should be indicated by checking the appropriate blocks.

Preperation and initial presoak of the percolation holes must precede the actual test by 8-24 hours. Immediately before conducting the test, two 30-minute presoak periods must be completed. After listing the hole number under the appropriate colmn, an "X" or checkmark should be placed under the "YES" or "NO" column indicating presence or absence of water in the hole at the end of the final presoak period. Based on that information, the interval between readings should be indicated.

The percolation test must be continued in each hole for eight consecutive readings, OR until stabilization occures. This means that the percolation test may continue in some of the holes throughout eight readings while testing may be discontinued in other holes if stabilization occurs in that particular hole. It is also possible that the interval between readings may differ from one hole to another based on the results of the presoak. Stabilization is defined as "the difference of one-fourth inch or less of drop between the highest and lowest readings of four consecutive readings " in one particular percolation hole.

Upon competetion of the percolation test, the final reading of each hole should be recorded in the calculation section and then converted to minutes per inch.

Δ LZ = 35"	Δ LZ = 28"	Δ LZ = 10"
::: 225 min/in	::: 2.1 min/in	

Additional information pertaining to the proper procedures for the site investigation and the condition of a percolation test may be found in *25 Pa. Code §73.12 §73.14 and §73.15.*

One copy of this form should be attached to the applicant's copy of the application, one to the SEO's copy, and one to DEP's copy.