3800-FM-WSWM0290A Rev. 10/2003

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

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

Application No. _____ Municipality Orange Township County Potato

Site Location Sunshine Drive Subdivision Name Kathy Miles

☒ SUITABLE Soil Type HaB2 Slope 11% Depth to Limiting Zone 80" Ave. Perc. Rate 26.4

☐ UNSUITABLE ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments

☐ Perc. Rate ☐ Slope ☐ Unstabilized Fill ☐ Floodplain ☐ Other _____

SOILS DESCRIPTION: Probe "A"

Soils Description Completed by: Robert Mudd Date: 05/05/09

Inches			Description of Horizon
0	TO	7	Dark yellowish brown silt loam; granular structure; friable; abrupt smooth boundary
7	TO	15	Brown silty clay loam; subangular blocky structure; friable; gradual wavy boundary
15	TO	33	Yellowish red silty clay; subangular blocky structure; friable; 10% rock fragments
33	TO	70	Brown silty clay loam; granular blocky structure; friable; 10% rock fragments
70	TO	80	Yellowish red silty clay loam; fine subangular blocky structure; friable; 10% rock fragments
	TO		

PERCOLATION TEST:

Percolation Test Completed by: Robert Mudd Date: 05/20/09

Weather Conditions: ☐ Below 40°F ☐ 40°F or above ☐ Dry ☒ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☒ Dry ☐ Frozen

Hole No.	*** Yes	*** No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7 Inches of drop	Reading No. 8: Inches of drop
1	X		*10 / 30*	2 1/4	2 3/8	2 1/8	2 1/4				
2	X		*10 / 30*	2	2	1 3/4	2				
3	X		*10 / 30*	3/8	5/8	7/8	3/4	5/8			
4	X		*10 / 30*	3/8	1/4	3/8	1/2				
5	X		*10 / 30*	4 1/8	4	4	3 7/8				
6	X		*10 / 30*	2 1/8	2 1/8	2 1/4	2 1/2	2 3/8	2 1/4		

***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 1/4	"	13.3		32	"
2	2	"	15.0		32	"
3	5/8	"	48.0		32	"
4	1/2	"	60.8		32	"
5	3 7/8	"	7.7		32	"
6	2 1/4	"	13.3		32	" Min / Inch
TOTAL OF MIN / IN →			158.1	=	26.4	
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 DEP.

(S)_____
Sewage Enforcement Officer

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

GENERAL INSTRUCTIONS:

This form is to be utilized to record the results of site testing for installation of an onlot 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, ” etc.

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 excavation, 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.

Preparation 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 column, 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 circled.

The percolation test must be continued in each hole for eight consecutive readings, OR until stabilization occurs. 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 completion 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 site investigation and the conduction of a percolation test may be found in Chapter 73, Section 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 sewage enforcement officer's copy, and one to DEP's copy.