

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF CLEAN WATER

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE

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

SUITABLE Soil Type Slope % Depth to Limiting Zone Ave. Perc. Rate UNSUITABLE	Application No.				Municipality County								
SUITABLE	Site Location				Subdivision Name								
Perc. Rate	SUITABLE		Soil Ty	oe	Slope _	%	Depth to Li	miting Zor	ne	Ave. P	erc. Rate		
SOILS DESCRIPTION: Soils Description Completed by:	UNSUITABLE		☐ Mot	tling [] Seeps or F	Ponded Wa	ater 🗌 B	edrock [Fractures	; □ C	coarse Fra	gments	
Date: Date: Date: Date: Date: Date: Date:			☐ Per	c. Rate	☐ Slope	☐ Unstab	ilized Fill	☐ Flood	way 🗌 O	ther			
Inches	SOILS DES	CRIPTIO	ON:										
TO	Soils Descri	ption Co	mplete	d by:					Da	ate:			
TO	Inches			Description of Horizon									
TO	TO												
TO	T	O C											
TO													
TO													
PERCOLATION TEST: Percolation Test Completed by: Weather Conditions: Wet Dry Frozen No. 1: No. 2: No. 3: No. 4: No. 5: No. 6: No. 7 No. 8: No. 6: No. 7 No. 8: No. 6: No. 7 No. 8: No. 1: No. 9:	10	J		-									
PERCOLATION TEST: Percolation Test Completed by:	TO	o											
Percolation Test Completed by: Meather Conditions: Below 40°F 40°F or above Dry Rain, Sleet, Snow (last 24 hours)	TO	o											
Percolation Test Completed by: Meather Conditions: Below 40°F 40°F or above Dry Rain, Sleet, Snow (last 24 hours)		ION TE	ST.										
Soil Conditions: Wet Dry Frozen No. 1				Date:									
Hole No. Reading Reading Reading No. 1: No. 2: No. 3: No. 4: No. 5: No. 6: No. 7 No. 8: No. 1 No. 2: No. 3: No. 4: No. 5: No. 6: No. 7 No. 8: No. 1 No. 8: No. 1 No. 2: No. 3: No. 4: No. 5: No. 6: No. 7 No. 8: No. 1 No. 5: No. 6: No. 7 No. 8: No. 1 No. 2: No. 3: No. 4: No. 5: No. 6: No. 7 No. 8: No. 1 No. 8: No. 1 No. 2: No. 3: No. 4: No. 5: No. 6: No. 7 No. 8: No. 7 No. 8: No. 1 No. 2: No. 1 No. 2: No. 3: No. 4: No. 5: No. 6: No. 7 No. 8: No. 7 No. 8: No. 1 No. 8: No. 1 No. 2: No. 4: No. 5: No. 6: No. 7 No. 8: No. 6: No. 7 No. 8: No. 1 No. 2 No. 2 No. 3: No. 4: No. 6: No. 6: No. 7 No. 8: No. 8: No. 1 No. 8: No. 1 No. 2 No. 3: No. 4: No. 6: No. 6: No. 7 No. 8: No. 1 No. 1 No. 2 No. 1 No. 2 No. 1 No. 2 No. 3: No. 4: No. 1 No. 6: No. 7 No. 8: No. 1 No. 2 No. 1 No. 2 No. 2 No. 2 No. 3: No. 4: No. 1 No. 2 No. 2 No. 3: No. 4: No. 2 No. 2 No. 2 No. 3: No. 4: No. 2							e 🗌 Dry	☐ Rai	n, Sleet, Sno	ow (last 24	hours)		
Reading No. 1: No. 2: No. 3: No. 4: No. 5: No. 6: No. 7 No. 8: No. 8: No. 9: No. 8: No. 7 No. 8: No. 8: No. 9: N	Soil Condition	ns:		Wet _] Dry	Frozen							
Hole No. Yes No Interval Inches of drop Inches On Inches of drop Inches On Inches On Inches of drop Inches On Inches On Inche		*:	**							•			
#*Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval; No, use 10-minute interval. **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: Drop during final period Minutes/Inch of Hole """ """ """ """ """ """ """	Hole No.	Yes	No	J			+		+ +				
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Calculation of Average Percolation Rate: Drop during Perc. Rate as Depth of Hole													
Hole No. Drop during final period Perc. Rate as Minutes/Inch of Hole	***Water remai	ning in the	e hole at t	he end of th	ne final 30-min	ute presoak?	Yes, use 30-	minute interv	val; No, use 10-	-minute inter	/al.		
Hole No. final period Minutes/Inch of Hole """ """ """ """ """ """ """	(Calculat	ion of A	Average	Percolation	Rate:							
Hole No. final period Minutes/Inch of Hole """ """ """ """ """ """ """		Drop	durina	Pe	rc. Rate as	De	pth						
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)	Hole No.												
TOTAL OF MIN / IN → TOTAL NO. OF HOLES→ 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)							"						
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). TOTAL NO. OF HOLES→ (S)													
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result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by the Department of Environmental Protection (DEP).							"	Th	e information	nrovided is	s the true a	nd correct	
————————————————————————————————————			66				"	res	sult of tests	conducted	d by me,	performed	
ΓΟΤΑL OF MIN / IN → = Environmental Protection (DEP). ΓΟΤΑL NO. OF HOLES→ (S)			66										
	TOTAL OF I	MIN / IN	\rightarrow									unent of	
	TOTAL NO.	OF HO	LES→				-	(S)				
						_			Sewage Enforcement Officer (SEO)				
☐ White - Local Agency ☐ Pink - Local DEP Office ☐ Yellow - Applicant	□ \/\bito		annev.			☐ Din!	r - Local DE	D Office			Vollow	Applicant	

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 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.