

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Plainfield Township County Northampton
 Site Location Lot 12 - Probes 121 & 159 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BrC Slope 8-15% Depth to Limiting Zone 20' Ave. Perc. Rate 14.91
 UNSUITABLE Mottling Seeps or Pounded Water Bedrock Fractures Coarse Fragments Perc. Rate
 Slope Unstabilized Fill Floodplain Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION: Terra Technologies
 Soils Description Completed By: Peter M. Volpinari, P.G. Date: 8/23/05

	Inches		Description of Horizon	
	<u>0</u>	TO	<u>11</u>	Probe 121
			<u>Topsoil</u>	
	<u>11</u>	TO	<u>30</u>	
			<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F.</u>	
	<u>30</u>	TO	<u>74</u>	
			<u>Medium brown sandy silt loam, slightly sticky, non-plastic friable, SAB, 30% C.F.</u>	
		TO	<u>Open voids at 20'</u>	Depth to Limiting Zone: <u>20</u> inches
		TO		

Probe 159 (9/9/05) - No L.Z. to 50"

PERCOLATION TEST: Terra Technologies
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 11/22/05

Weather Conditions: Below 40 F 40 F or Above Dry Rain, Sleet, Snow (last 24 Hours)
 Soil Conditions: Wet Dry Frozen

Hole Number	*** 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	YES	30	4.500	4.250	4.375	4.375				
2	YES	30	3.125	2.875	2.625	2.375	2.250	2.375	2.375	
3	YES	30	2.000	2.000	3.625	2.000	1.750	1.875	1.750	
4	YES	30	3.250	3.250	3.250	2.750	2.750	3.000	3.000	
5	NO	10	2.625	2.250	2.250	2.875	2.875	3.125	3.500	3.500
6	YES	30	0.875	0.625	1.375	1.875	0.625	0.750	1.500	0.750

*** 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 Min./ Inch	Depth of Hole
1	4.375	6.86	12'
2	2.375	12.63	12'
3	1.750	17.14	12'
4	3.000	10.00	12'
5	3.500	2.86	12'
6	0.750	40.00	12'
Total of Min / In →		89.49	
Total No. of Holes →		6	14.91 Min/Inch

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

(S)
 Sewage Enforcement Officer

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Plainfield Township County Northampton
 Site Location Lot 12 - Probes 121 & 122 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BrC Slope 8-15% Depth to Limiting Zone 20" Ave. Perc. Rate 65.43
 UNSUITABLE Motting Seeps or Ponded Water Bedrock Fractures Coarse Fragments Perc. Rate
 Slope Unstabilized Fill Floodplain Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION: Terra Technologies
 Soils Description Completed By: Peter M. Volpinari, P.G. Date: 8/23/05

	Inches		Description of Horizon	Probe 121
	0	TO	11	<u>Topsoil</u>
	11	TO	30	<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F.</u>
	30	TO	74	<u>Medium brown sandy silt loam, slightly sticky, non-plastic friable, SAB, 30% C.F.</u>
		TO		Depth to Limiting Zone: <u>20</u> inches
		TO		<u>Open voids at 20"</u>

Probe 122 (8/23/05) - L.Z. = 35" to open voids

PERCOLATION TEST: Terra Technologies
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 11/22/05

Weather Conditions: Below 40 F 40 F or Above Dry Rain, Sleet, Snow (last 24 Hours)
 Soil Conditions: Wet Dry Frozen

Hole Number	*** 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	YES	30	0.125	0.250	0.125	0.125				
2	YES	30	1.250	1.375	1.375	1.250				
3	YES	30	1.750	1.750	1.750	1.625				
4	YES	30	1.125	1.125	1.125	1.125				
5	NO	10	3.625	2.875	3.250	2.625	2.875	2.625	2.875	
6	YES	30	0.375	0.375	0.250	0.375				

*** 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 Min./Inch	Depth of Hole
1	0.125	240.00	12"
2	1.250	24.00	12"
3	1.625	18.46	12"
4	1.125	26.67	12"
5	2.875	3.48	12"
6	0.375	80.00	12"
Total of Min / In →		392.61	
Total No. of Holes →		6	65.43 Min/Inch

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

(S) *Peter M. Volpinari*
 Sewage Enforcement Officer