

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

Application No. _____ Municipality Plainfield Township County Northampton
 Site Location Lot 15 - Probes 115 & 116 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type CmB Slope 8-15% Depth to Limiting Zone 25" Ave. Perc. Rate 46.35
 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		Probe 116
<u>0</u>	TO	<u>17</u>	<u>Topsoil</u>		
<u>17</u>	TO	<u>32</u>	<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F</u>		
	TO				Depth to Limiting Zone:
	TO		<u>Mottling at 32"</u>		<u>25</u> Inches
	TO				

Probe 115 (8/23/05) - L.Z. = 25" to mottling

PERCOLATION TEST: Terra Technologies
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 11/30/05

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	0.125	0.250	0.250				
2	YES	30	1.875	1.875	1.875	1.750				
3	NO	10	4.000	4.000	4.500	4.125	4.250	4.125	4.000	
4	YES	30	0.500	0.500	0.500	0.375				
5	YES	30	0.750	0.750	0.750	0.750				
6	YES	30	1.750	1.625	1.625	1.625				

*** 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	0.250	120.00	20"
2	1.750	17.14	20"
3	4.000	2.50	20"
4	0.375	80.00	20"
5	0.750	40.00	20"
6	1.625	18.46	20"
Total of Min / In →		278.10	
Total No. of Holes →		6	46.35 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 manor approved by the department.

(S) *Peter M. Volpinari*
 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 15 - Probes 156 & 157 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type CmB Slope 8-15% Depth to Limiting Zone 25" Ave. Perc. Rate 61.33
 UNSUITABLE Motting 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: 9/9/05

	Inches		Description of Horizon	Probe 156
<u>0</u>	TO	<u>12</u>	<u>Topsoil</u>	
<u>12</u>	TO	<u>25</u>	<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F.</u>	
_____	TO	_____	_____	Depth to Limiting Zone:
_____	TO	_____	<u>Mottling at 25"</u>	<u>25</u> Inches
_____	TO	_____	_____	

Probe 157 (9/9/05) - L.Z. = 31" to mottling

PERCOLATION TEST: Terra Technologies
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 11/30/05

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	0.375	0.375	0.375	0.375				
2	YES	30	1.375	1.375	1.625	1.375				
3	YES	30	2.875	2.875	3.000	2.750				
4	YES	30	5.250	4.875	5.000	4.375	4.500	4.500	4.500	
5	YES	30	5.000	4.250	3.750	3.250	3.500	3.500	3.500	
6	YES	30	0.250	0.125	0.250	0.125				

*** 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 Min./ Inch	Depth of Hole
1	0.375	80.00	20"
2	1.375	21.82	20"
3	2.750	10.91	20"
4	4.500	6.67	20"
5	3.500	8.57	20"
6	0.125	240.00	20"
Total of Min / In →		<u>367.97</u>	
Total No. of Holes →		<u>6</u>	<u>61.33</u> 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 manor approved by the department.

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