

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

Application No. \_\_\_\_\_ Municipality Plainfield Township County Northampton  
 Site Location Lot 20- Probe 107 & 108 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BrB Slope 3-8% Depth to Limiting Zone 24" Ave. Perc. Rate 6.55  
 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 107
	<u>0</u>	TO	<u>8</u>	<u>Topsoil</u>	
				<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F.</u>	
	<u>8</u>	TO	<u>20</u>	<u>Medium brown shaly silt loam, slightly sticky, non-plastic, friable, SAB, 40% C.F.</u>	
	<u>20</u>	TO	<u>65</u>		
				<u>No L.Z. to 65"</u>	
					Depth to Limiting Zone: <u>24"</u> inches

**Probe 108 (8/23/05) - L.Z. = 24" to mottling**

PERCOLATION TEST: Terra Technologies  
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 1/12/06

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	NO	10	6.000	6.000	6.000	6.000	6.000	6.000	6.000	5.250
2	NO	10	5.875	4.125	3.750	4.125	3.625	3.625	4.000	3.000
3	NO	10	6.000	5.875	5.375	5.625	4.500	4.250	4.750	4.000
4	YES	30	1.500	1.500	1.250	1.500				
5	YES	30	4.250	4.000	4.125	3.750	3.750	3.875	3.875	
6	NO	10	4.750	3.375	3.375	3.750	3.125	3.000	3.250	2.625

\*\*\* 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	5.250	1.90	16"	
2	3.000	3.33	16"	
3	4.000	2.50	16"	
4	1.500	20.00	16"	
5	3.875	7.74	16"	
6	2.625	3.81	16"	
Total of Min / In →		39.29		
Total No. of Holes →		6	6.55	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 20 - Probes 190 & 191 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BoB Slope 3-8% Depth to Limiting Zone 72" Ave. Perc. Rate 7.46  
 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: 9/13/2005

	Inches		Description of Horizon	Probe 190
<u>0</u>	TO	<u>9</u>	<u>Topsoil</u>	
			<u>Light brown shaly silt loam, slightly sticky, non-plastic, friable, SAB, 20% C.F</u>	
<u>9</u>	TO	<u>26</u>	<u>Light brown silt loam, slightly sticky, non-plastic, friable, SAB, 40% C.F.</u>	
<u>26</u>	TO	<u>72</u>	<u>Light brown silt loam, slightly sticky, non-plastic, friable, SAB, 40% C.F.</u>	
				Depth to Limiting Zone: <u>72</u> inches
	TO		<u>No L.Z. to 72"</u>	
	TO		<u>Probe 191 (9/13/05) - No L.Z. to 73"</u>	

PERCOLATION TEST: Terra Technologies  
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 1/12/2006

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

Hole Number	***	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
	Yes/No									
1	YES	30	2.250	2.000	2.125	2.125				
2	NO	10	3.875	2.250	2.375	2.500	2.250			
3	NO	10	6.000	3.750	4.375	4.500	4.125	3.500	4.375	3.250
4	NO	10	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000
5	NO	10	5.625	3.375	3.625	3.625	3.125	3.125	3.500	3.000
6	NO	10	5.625	3.250	3.250	3.625	3.250	3.000	3.750	3.000

\*\*\* 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: NOTE: hole test

Hole No.	Drop during final period	Perc Rate as Min./Inch	Depth of Hole
1	2.125	14.12	24"
2	2.250	4.44	24"
3	3.250	3.08	24"
4	6.000		24"
5	3.000	3.33	24"
6	3.000	3.33	24"
Total of Min / In →		<u>67.18</u>	
Total No. of Holes →		<u>9</u>	<u>7.46</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 manner approved by the department.

(S) [Signature]  
 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 20 - Probes 190 & 191 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BoB Slope 3-8% Depth to Limiting Zone 72" Ave. Perc. Rate 7.46  
 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: 9/13/2005

	Inches		Description of Horizon	Probe 190
0	TO	9	<u>Topsoil</u>	
9	TO	26	<u>Light brown shaly silt loam, slightly sticky, non-plastic, friable, SAB, 20% C.F.</u>	
26	TO	72	<u>Light brown silt loam, slightly sticky, non-plastic, friable, SAB, 40% C.F.</u>	
_____	TO	_____	_____	Depth to Limiting Zone: <u>72</u> Inches
_____	TO	_____	<u>No L.Z. to 72"</u>	
<b>Probe 191 (9/13/05) - No L.Z. to 73"</b>				

PERCOLATION TEST: Terra Technologies  
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 1/12/06 & 2/17/06

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	No.8: Inches of drop
7	NO	10	2.375	2.875	2.875	3.125	2.875			
8	NO	10	4.000	4.750	4.625	4.875	4.625			
9	YES	30	2.875	2.750	2.625	2.500	2.625			
10	NO	10	1.250	1.250	1.375	1.375				

\*\*\* 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:**

**NOTE: 10 hole test - 1 failed**

Hole No.	Drop during final period	Perc Rate as Min./Inch	Depth of Hole	Date
7	2.875	3.48	24"	1/12/2006
8	4.625	2.16	24"	1/12/2006
9	2.625	11.43	24"	2/17/2006
10	1.375	7.27	24"	2/17/2006
Total of Min / In →		67.18		
Total No. of Holes →		9	7.46	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) *[Signature]*  
 Sewage Enforcement Officer