

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

Application No. \_\_\_\_\_ Municipality Plainfield Township County Northampton  
 Site Location Lot 21 - Probes 109 & 110 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BrB Slope 3-8% Depth to Limiting Zone 28" Ave. Perc. Rate 3.74  
 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: 8/23/2005

Inches	Description of Horizon	Probe 110
<u>0</u> TO <u>10</u>	<u>Topsoil</u>	
<u>10</u> TO <u>25</u>	<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F.</u>	
<u>25</u> TO <u>65</u>	<u>Medium brown shaly silt loam, slightly sticky, non-plastic, friable, SAB, 40% C.F.</u>	
_____ TO _____	<u>No L.Z to 65"</u>	Depth to Limiting Zone: <u>28</u> Inches
_____ TO _____		

**Probe 109 (8/23/05) - L.Z. = 28" to open voids**

PERCOLATION TEST: Terra Technologies  
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 12/15/2005

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	5.750	5.875	5.875	
2	NO	10	2.750	2.750	2.875	2.000	2.000	2.000	2.000	
3	NO	10	3.000	2.750	3.500	2.750	2.750	2.750	2.750	
4	NO	10	6.000	5.125	5.500	4.500	4.250	4.250	4.125	3.875
5	NO	10	6.000	6.000	5.875	5.250	5.000	5.000	4.750	4.875
6	NO	10	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000

\*\*\* 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: 10 hole test

Hole No.	Drop during final period	Perc Rate as Min./Inch	Depth of Hole
1	5.875	1.70	20"
2	2.000	5.00	20"
3	2.750	3.64	20"
4	3.875	2.58	20"
5	4.875	2.05	20"
6	6.000		20"
Total of Min / In → 33.67			Failed
Total No. of Holes → 9			3.74 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

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

Application No. \_\_\_\_\_ Municipality Plainfield Township County Northampton  
 Site Location Lot 21 - Probes 109 & 110 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BrB Slope 3-8% Depth to Limiting Zone 28" Ave. Perc. Rate 3.74  
 UNSUITABLE  Mottling  Seeps or Pondered 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: 8/23/2005

Inches	Description of Horizon	Probe 110
0 TO 10	Topsoil	
10 TO 25	Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F.	
25 TO 65	Medium brown shaly silt loam, slightly sticky, non-plastic, friable, SAB, 40% C.F.	
TO	No L.Z to 65"	Depth to Limiting Zone: <u>28</u> Inches
TO		

Probe 109 (8/23/05) - L.Z. = 28" to open voids

PERCOLATION TEST: Terra Technologies  
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 1/11/06 & 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	Reading No.8: Inches of drop
7	NO	10	3.875	3.625	3.625	3.750				
8	NO	10	4.000	4.000	3.750	4.000				
9	NO	10	2.125	2.000	1.750	1.625	1.625	1.125	1.375	1.500
10	YES	30	3.375	3.250	3.250	3.750	4.125	4.375	4.375	4.375

\*\*\* 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

Hole No.	Drop during final period	Perc Rate as Min./Inch	Depth of Hole	Date
7	3.750	2.67	20"	1/11/2006
8	4.000	2.50	20"	1/11/2006
9	1.500	6.67	20"	2/17/2006
10	4.375	6.86	20"	2/17/2006
Total of Min / In		33.67		
Total No. of Holes		9	3.74	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

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

Application No. \_\_\_\_\_ Municipality Plainfield Township County Northampton  
 Site Location Lot 21 - Probes 109 & 110 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BrB Slope 3-8% Depth to Limiting Zone 28" Ave. Perc. Rate 3.74  
 UNSUITABLE  Mottling  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: 8/23/2005

	Inches		Description of Horizon	Probe 110
	0	TO	10	<u>Topsoil</u>
	10	TO	25	<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F.</u>
	25	TO	65	<u>Medium brown shaly silt loam, slightly sticky, non-plastic, firm, SAB, 40% C.F.</u>
		TO		Depth to Limiting Zone: <u>28"</u> inches
		TO		

**Probe 109 (8/23/05) - L.Z. = 28" to open voids**

PERCOLATION TEST: Terra Technologies  
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 2/17/2006

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
7	NO	10	4.000	4.000	3.750	4.000				
8	NO	10	2.125	2.000	1.750	1.625	1.625	1.125	1.375	1.500
9	YES	30	3.375	3.250	3.250	3.750	4.125	4.375	4.375	4.375

\*\*\* 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: 9 hole test

Hole No.	Drop during final period	Perc Rate as Min./Inch	Depth of Hole	Date
7	4.000	2.50	20"	1/11/2006
8	1.500	6.67	20"	2/17/2006
9	4.375	6.86	20"	2/17/2006
Total of Min / In →		33.67		
Total No. of Holes →		9	3.74	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 21 - Probes 110 & 153 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BrB Slope 3-8% Depth to Limiting Zone 65" Ave. Perc. Rate 5.80  
 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: 8/23/2005

	Inches		Description of Horizon		Probe 110
<u>0</u>	TO	<u>10</u>	<u>Topsoil</u>		
			<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F.</u>		
<u>10</u>	TO	<u>25</u>	<u>Medium brown shaly silt loam, slightly sticky, non-plastic, firm, SAB, 40% C.F.</u>		
<u>25</u>	TO	<u>65</u>			
			<u>No L.Z to 65"</u>	Depth to Limiting Zone:	<u>65</u> Inches
	TO				
	TO				

**Probe 153 (9/9/05) - No L.Z. to 84"**

PERCOLATION TEST: Terra Technologies  
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 1/11/2006

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	3.875	3.500	3.125	3.375	3.500	3.250	3.375	
2	NO	10	3.375	3.500	3.375	3.375				
3	NO	10	4.000	4.125	3.750	3.750	3.875	3.625		
4	YES	30	4.125	3.875	4.000	4.000				
5	YES	30	5.500	5.500	5.500	4.750	5.000	6.000	3.500	2.250
6	NO	10	4.125	4.000	3.875	3.875				

\*\*\* 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: 8 hole test**

Hole No.	Drop during final period	Perc Rate as Min./ Inch	Depth of Hole	Date
1	3.375	2.96	17"	
2	3.375	2.96	17"	
3	3.625	2.76	17"	
4	4.000	7.50	17"	
5	2.250	13.33	17"	
6	3.875	2.58	17"	
Total of Min / In →		46.40		
Total No. of Holes →		8	5.80	Min/Inch

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(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 21 - Probes 110 & 153 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BrB Slope 3-8% Depth to Limiting Zone 65" Ave. Perc. Rate 5.80  
 UNSUITABLE  Mottling  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: 8/23/2005

	Inches		Description of Horizon	
	0	TO	10	<b>Probe 110</b>
			<u>Topsoil</u>	
	10	TO	25	
			<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F.</u>	
	25	TO	65	
			<u>Medium brown shaly silt loam, slightly sticky, non-plastic, firm, SAB, 40% C.F.</u>	
		TO		Depth to Limiting Zone:
			<u>No L.Z. to 65"</u>	<u>65</u> Inches
		TO		
			<b>Probe 153 (9/9/05) - No L.Z. to 84"</b>	

PERCOLATION TEST: Terra Technologies  
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 2/17/2006

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
7	YES	30	4.000	3.625	3.375	3.250	3.250	3.125		
8	NO	10	2.250	2.375	2.125	2.125				

\*\*\* 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: NOTE: 8 hole test**

Hole No.	Drop during final period	Perc Rate as Min./Inch	Depth of Hole
7	3.125	9.60	17"
8	2.125	4.71	17"
Total of Min / In →		46.40	
Total No. of Holes →		8	5.80 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