



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

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

Application No. \_\_\_\_\_ Municipality Plainfield Twp County Northampton  
 Site Location Lot 3- Test Pits 142 & 143 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BoB Slope \_\_\_\_\_ % Depth to Limiting Zone 41" Ave. Perc. Rate 6.09  
 UNSUITABLE  Mottling  Seeps or Poned Water  Bedrock  Fractures  Coarse Fragments  
 Perc. Rate  Slope  Unstabilized Fill  Floodplain  Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: Peter M. Volpinari, P.G. - Terra Technologies Date: 8/24/05

Inches	Description of Horizon
<u>0</u> TO <u>8</u>	<u>Topsoil</u>
<u>8</u> TO <u>23</u>	<u>Medium brown shaly silt loam, slightly sticky, slightly plastic, friable, weak SAB, 30% C.F.</u>
<u>23</u> TO <u>53</u>	<u>Medium brown channery silt loam, slightly sticky, non-plastic, friable, SAB 40% C.F.</u>
_____ TO _____	<u>OPen voids at 53"</u>
_____ TO _____	_____
_____ TO _____	<u>Test Pit #143- 53" open voids</u> <u>Confirming Test Pit #142 - 41" open voids</u>

**PERCOLATION TEST:**

Percolation Test Completed by: BECS, Inc. Ryan S. Detweiler Date: 11/16/05

Weather Conditions:  Below 40°F  40°F or above  Dry  Rain, Sleet, Snow (last 24 hours)

Soil Conditions:  Wet  Dry  Frozen

Hole 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
	Yes	No									
1	x		10 / 30	3.625	3.375	3.25	3.25	3.125			
2	x		10 / 30	5	4.625	4.375	4.625	4.625			
3	x		10 / 30	5	3.875	3.375	3.625	4.25	3.125	3	3
4		x	10 / 30	6	5.75	5.75	5.75				
5	x		10 / 30	5.75	5.5	5.5	5.375	4.75	4.5	4.875	4.5
6		x	10 / 30	5	4.75	4.75	4.875				

\*\*\*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:**

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	<u>3.125</u>	<u>9.6</u>	<u>20</u>
2	<u>4.625</u>	<u>6.49</u>	<u>20</u>
3	<u>3</u>	<u>10</u>	<u>20</u>
4	<u>5.75</u>	<u>1.7</u>	<u>20</u>
5	<u>14.5</u>	<u>6.66</u>	<u>20</u>
6	<u>4.875</u>	<u>2.1</u>	<u>20</u>
TOTAL OF MIN / IN →		<u>36.55</u>	= <u>6.09</u>
TOTAL NO. OF HOLES →		<u>6</u>	

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 DEP.

(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 4 - Probes 145 & 146 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BoB Slope 3-8% Depth to Limiting Zone 72' Ave. Perc. Rate 6.84  
 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: 8/24/2005

Inches			Description of Horizon	Probe 145
<u>0</u>	TO	<u>8</u>	<u>Topsoil</u>	
<u>8</u>	TO	<u>42</u>	<u>Red brown silt loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F.</u>	
<u>42</u>	TO	<u>72</u>	<u>Red brown channery silt loam, slightly sticky, non-plastic, friable, SAB, 40% C.F.</u>	
	TO		<u>No L.Z to 72"</u>	Depth to Limiting Zone: <u>72</u> inches
	TO		<u>Probe 146 (8/24/05) - No L.Z. to 80"</u>	

PERCOLATION TEST:  
 Percolation Test Completed By: BECS Inc, Ryan Detweiler Date: 11/16/2005

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	YES	30	2.750	1.500	1.375	1.500	1.500			
2	NO	10	3.500	3.000	2.750	3.250	2.000	2.500	2.750	2.500
3	NO	10	4.500	4.125	4.000	4.500	2.875	3.375	4.250	4.000
4	YES	30	4.750	4.125	4.125	4.000	3.875			
5	NO	10	4.750	4.375	3.500	4.125	2.500	2.875	2.875	2.875
6	NO	10	4.625	4.000	4.000	4.500	3.000	3.500	3.125	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:**

Hole No.	Drop during final period	Perc Rate as Min./Inch	Depth of Hole
1	1.500	20.00	24"
2	2.500	4.00	24"
3	4.000	2.50	24"
4	3.875	7.74	24"
5	2.875	3.48	24"
6	3.000	3.33	24"
Total of Min / In →		41.05	
Total No. of Holes →		6	6.84 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.

  
 (\$) \_\_\_\_\_  
 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 4 - Probes 144 & 145 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BoB Slope 3-8% Depth to Limiting Zone 28" Ave. Perc. Rate 18.74  
 UNSUITABLE  Mottling  Seeps or Pooled 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: 8/24/2005

	Inches		Description of Horizon	Probe 145
	0	TO	8 <u>Topsoil</u> <i>Red brown silt loam, slightly sticky, slightly plastic,</i>	
	8	TO	42 <u>friable, SAB, 30% C.F.</u> <i>Red brown channery silt loam, slightly sticky, non-plastic,</i>	
	42	TO	72 <u>friable, SAB, 40% C.F.</u>	Depth to Limiting Zone:
		TO	No L.Z to 72"	<u>28"</u> Inches
		TO		
<b>Probe 144 (8/24/05) - L.Z. = 28" to open voids</b>				

PERCOLATION TEST:  
 Percolation Test Completed By: BECS Inc, Ryan Detweiler Date: 11/16/2005

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	3.500	3.500	3.250	4.000	2.500	3.125	3.500	3.250
2	YES	30	0.500	0.500	0.500	0.375				
3	YES	30	5.750	5.625	5.250	5.125	5.125	5.125		
4	YES	30	5.000	4.875	5.000	5.000				
5	YES	30	4.875	4.500	4.375	4.250	4.250			
6	YES	30	3.250	2.875	2.875	2.875	2.875			

\*\*\* 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:**

Hole No.	Drop during final period	Perc Rate as Min./ Inch	Depth of Hole
1	3.250	3.08	20"
2	0.375	80.00	20"
3	5.125	5.85	20"
4	5.000	6.00	20"
5	4.250	7.06	20"
6	2.875	10.43	20"
Total of Min / In →		112.42	
Total No. of Holes →		6	18.74 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) *Peter J. Noll*  
 Sewage Enforcement Officer