



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 5 - Test Pits 147 & 179 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type \_\_\_\_\_ Slope \_\_\_\_\_ % Depth to Limiting Zone 64" Ave. Perc. Rate 16.24  
 UNSUITABLE  Mottling  Seeps or Pounded 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
0 TO 15	<u>Topsoil</u>
15 TO 64	<u>Red brown chanery silt loam, slightly sticky, non-plastic, friable, weak SAB, 40% C.F.</u>
64 TO _____	<u>Bedded shale</u>
_____ TO _____	_____
_____ TO _____	_____
_____ TO _____	<u>Test Pit #147- 64" bedded shale</u> Confirming Test Pit #179 - 88" bottom of pit

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	1.5	1.375	1.375	1.375				
2	x		10/30	5.25	4.875	4.875	4.875	4.75			
3	x		10/30	0.875	0.875	1	1				
4	x		10/30	3.375	3.25	3.125	3.25				
5	x		10/30	2.375	2	1.875	1.75	1.875			
6	x		10/30	2.125	2.125	2.25	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:**

Hole No.	Drop during final period	Perc. Rate as Minutes/inch	Depth of Hole
1	1.375 *	21.81	20 *
2	4.75 *	6.31	20 *
3	1 *	30	20 *
4	3.25 *	9.23	20 *
5	1.875 *	16	2 *
6	2.125 *	14.11	20 *
TOTAL OF MIN / IN →		97.46	= 16.24
TOTAL NO. OF HOLES →		6	

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 5 - Probes 147 & 148 Subdivision Name Estates of Colony Park  
 SUITABLE Soil Type \_\_\_\_\_ Depth to Limiting Zone 50" Ave. Perc. Rate 8.76  
 UNSUITABLE  Motting  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 147
	0	TO	15	Topsoil
	15	TO	64	Red brown channery silt loam, slightly sticky, non-plastic, friable, weak SAB, 40% C.F.
	64	TO		Bedded shale
		TO		Depth to Limiting Zone: <u>50</u> Inches
		TO		
Probs 148 (8/24/05) - LZ = 50" to bedded shale				

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	2.375	2.500	2.375	2.375				
2	YES	30	4.500	4.250	3.750	3.250	3.250	3.000	3.000	
3	YES	30	5.500	4.500	3.625	3.500	2.750	2.625	2.375	2.125
4	NO	10	5.875	5.750	5.750	5.750				
5	YES	30	2.500	2.375	2.125	2.125	2.250			
6	YES	30	3.500	3.500	3.375	3.250				

\*\*\* 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	2.375	4.21	20"
2	3.000	10.00	20"
3	2.125	14.12	20"
4	5.750	1.74	20"
5	2.250	13.33	20"
6	3.250	9.23	20"
Total of Min / In →		52.57	
Total No. of Holes →		6	8.76 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) *John J. Hall*  
 Sewage Enforcement Officer