



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 143 & 178 Subdivision Name Estates at Colony Park

SUITABLE Soil Type BoB Slope \_\_\_\_\_ % Depth to Limiting Zone 32" Ave. Perc. Rate 5.0

UNSUITABLE  Mottling  Seeps or Pondered 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 #178 - 32" 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	4.625	4.125	4.25	4	4			
2	x		10 / 30	4.625	4.25	4	4	4.125			
3		x	10 / 30	2.25	1.75	1.75	1.875	1.875			
4		x	10 / 30	2.375	2.25	2.25	2.125				
5		x	10 / 30	6	5.875	5.75	5.625	5.125	4.25	5	5
6		x	10 / 30	35	3.25	2.875	2.125	3.125	2.75	3.25	3.125

\*\*\*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	4	7.5	20
2	4.125	7.27	20
3	1.875	5.3	20
4	2.125	4.7	20
5	5	2	20
6	3.125	3.2	20
TOTAL OF MIN / IN →		29.97	= 5.0
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



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TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

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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