



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

**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 Township County Northampton
Site Location Bender's Church Road, Test Pit # 181-182 Lot 6 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type _____ Slope _____ % Depth to Limiting Zone 68" Ave. Perc. Rate 6.75
 UNSUITABLE Mottling Seeps or Pooled Water Bedrock Fractures Coarse Fragments
 Perc. Rate Slope Unstabilized Fill Floodplain Other _____

SOILS DESCRIPTION:

Soils Description Completed by: PETE M. HOPKINS - TERRA TECH Date: 9/17/05

Inches	Description of Horizon
<u>0</u> TO <u>8</u>	<u>top soil</u>
<u>8</u> TO <u>39</u>	<u>Light brown silt loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F.</u>
<u>39</u> TO <u>78</u>	<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F.</u>
TO _____	Test Pit #181 - 78" bottom of pit
TO _____	Confirming Test Pit #182 - 68" bedded shale

PERCOLATION TEST:

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: November 16, 2005

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:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1	x		10/30	4.5	4.25	4.125	4.125	4	-		
2		x	10/30	3	3.125	3	3	-			
3	x		10/30	3.675	4.125	4.125	4	-			
4	x		10/30	4	3.675	3.675	3.75	-			
5	x		10/30	3.125	3	3	3	-			
6		x	10/30	2.25	2.125	2.125	2.375	-			

***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:

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
<u>1</u>	<u>4</u>	<u>7.5</u>	<u>20</u>
<u>2</u>	<u>3.3</u>	<u>3.3</u>	<u>20</u>
<u>3</u>	<u>4</u>	<u>7.5</u>	<u>20</u>
<u>4</u>	<u>3.75</u>	<u>8</u>	<u>20</u>
<u>5</u>	<u>3</u>	<u>10</u>	<u>20</u>
<u>6</u>	<u>2.375</u>	<u>4.2</u>	<u>20</u>
TOTAL OF MIN / IN →		<u>40.5</u>	= <u>6.75</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



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TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

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

Application No. _____ Municipality Plainfield Township County Northampton
 Site Location Bender's Church Road, Test Pit # 180-181 Lot 6 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type _____ Slope _____ % Depth to Limiting Zone 68" Ave. Perc. Rate 15.0
 UNSUITABLE Mottling Seeps or Pooled Water Bedrock Fractures Coarse Fragments
 Perc. Rate Slope Unstabilized Fill Floodplain Other _____

SOILS DESCRIPTION:

Soils Description Completed by: Patric M. Velpinac - BORRA TECH Date: 7/19/05

Inches	Description of Horizon
<u>0</u> TO <u>8</u>	<u>TOP SOIL</u>
<u>8</u> TO <u>39</u>	<u>Light brown silt loam, slightly sticky, slightly plastic, friable, SAB, 2% CLF</u>
<u>39</u> TO <u>78</u>	<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 3% CLF</u>
TO _____	Test Pit #180 - 52" redox Confirming Test Pit #181 - 78" bottom of pit

PERCOLATION TEST:

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: November 16, 2005

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:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1	x		10/30	4.75	4.75	4.625	4.625	-			
2	x		10/30	2.375	2.5	2.5	2.25	-			
3	x		10/30	4	4	4.125	3.875	-			
4		x	10/30	3.125	3.25	2.625	2.875	2.875	2.875	-	
5	x		10/30	.75	.75	.625	.625	-			
6	x		10/30	3.375	3.25	3	2.875	2.875	2.75	-	

***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>4.625</u>	<u>6.5</u>	<u>20</u>
2	<u>2.25</u>	<u>13.33</u>	<u>20</u>
3	<u>3.875</u>	<u>7.74</u>	<u>20</u>
4	<u>2.875</u>	<u>3.5</u>	<u>20</u>
5	<u>.625</u>	<u>48</u>	<u>20</u>
6	<u>2.75</u>	<u>10.90</u>	<u>20</u>
TOTAL OF MIN / IN →		<u>89.97</u>	= <u>15.0</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