



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 # 17-177 LOT2 Subdivision Name Estates at Colony Park

SUITABLE Soil Type _____ Slope _____ % Depth to Limiting Zone _____ Ave. Perc. Rate 5.18
 UNSUITABLE Mottling Seeps or Ponded Water Bedrock Fractures Coarse Fragments
 Perc. Rate Slope Unstabilized Fill Floodplain Other _____

SOILS DESCRIPTION:

Soils Description Completed by: Peter M. Volpinari - Terra Tech Date: 9/13/05

Inches	Description of Horizon
<u>0</u> TO <u>10</u>	<u>Top soil</u>
<u>10</u> TO <u>28</u>	<u>Medium red brown silt loam, slightly sticky</u> <u>slightly plastic, friable, S&A 30% C.P.</u>
<u>28</u> TO <u>48</u>	<u>Medium brown clayey silt loam, slightly sticky</u> <u>non-plastic friable S&A 40% C.P.</u>
_____ TO _____	<u>Test Pit #17 - 28" open voids</u> <u>Confirming Test Pit#177 - 48" open voids</u>

PERCOLATION TEST:

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: November 23, 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: 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	4	4.125	3.875	-			
2		x	10/30	3.5	3.5	3.5	3.5	-			
3	x		10/30	4.75	4.25	4.5	4.5	4.375	-		
4	x		10/30	3.375	3.375	3.5	3.5	-			
5	x		10/30	4.5	4.5	4.375	4.375	-			
6		x	10/30	3	3.125	3.25	3	-			

***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>3.875</u>	<u>2.6</u>	<u>20</u>
2	<u>3.5</u>	<u>2.9</u>	<u>20</u>
3	<u>4.375</u>	<u>6.86</u>	<u>20</u>
4	<u>3.5</u>	<u>8.57</u>	<u>20</u>
5	<u>4.375</u>	<u>6.86</u>	<u>20</u>
6	<u>3</u>	<u>3.3</u>	<u>20</u>
TOTAL OF MIN / IN →		<u>31.09</u>	= <u>5.18</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

White - Local Agency

Yellow - Applicant

Pink - Local DEP Office



**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 Lot 2 Test Pit #3000 Subdivision Name Estates at Colony Park

- SUITABLE Soil Type _____ Slope _____% Depth to Limiting Zone +40" inches Ave. Perc. Rate _____
- UNSUITABLE Mottling Seeps or Pondered Water Bedrock Fractures Coarse Fragments
- Perc. Rate Slope Unstabilized Fill Floodplain Other _____

SOILS DESCRIPTION:

Soils Description Completed by: BECS Inc., Colin M. Brand, P.G., P.S.S., S.E.O. Date: March 9, 2006

Inches	Description of Horizon
<u>0</u> TO <u>12</u>	<u>Ap 7.5YR4/3 channery silt loam, friable, moderate granular structure</u>
<u>12</u> TO <u>21</u>	<u>B11 7.5YR5/6 channery silty clay loam, friable, weak subangular blocky structure</u>
<u>21</u> TO <u>34</u>	<u>B12 7.5YR5/6 channery silty clay loam, friable, moderate subangular blocky structure</u>
<u>34</u> TO <u>40</u>	<u>B13 7.5YR5/6 very channery silt loam, friable, weak subangular blocky structure</u>
_____ TO _____	<u>Limiting Zone - +40" inches</u>
_____ TO _____	_____

PERCOLATION TEST:

Percolation Test Completed by: _____ Date: _____

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									
			<u>10 / 30</u>								
			<u>10 / 30</u>								
			<u>10 / 30</u>								
			<u>10 / 30</u>								
			<u>10 / 30</u>								
			<u>10 / 30</u>								

***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
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
TOTAL OF MIN / IN →		=	_____
TOTAL NO. OF HOLES →			_____

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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**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 # 140-177 LOT Z Subdivision Name Estates at Colony Park

- SUITABLE Soil Type _____ Slope _____ % Depth to Limiting Zone _____ Ave. Perc. Rate 8.04
 UNSUITABLE Mottling Seeps or Pooled Water Bedrock Fractures Coarse Fragments
 Perc. Rate Slope Unstabilized Fill Floodplain Other _____

SOILS DESCRIPTION:

Soils Description Completed by: PETER M. Volpinari - TERRA TECH Date: 9/13/05

Inches	Description of Horizon
<u>0</u> TO <u>10</u>	<u>Topsoil</u>
<u>10</u> TO <u>20</u>	<u>Medium red brown silt loam, slightly sticky</u>
_____ TO _____	<u>slightly plastic, friable, SAs, 30% C.F.</u>
<u>20</u> TO <u>48</u>	<u>Med brown shaly silt loam, slightly sticky</u>
_____ TO _____	<u>non-plastic, friable, SAs, 40% C.F.</u>
_____ TO _____	<u>Test Pit #140 - 66" open voids 8/24/05 Confirming Test Pit # 177 - 48" open voids 9/13/05</u>

PERCOLATION TEST:

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: November 23, 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	3.125	3	3.125	2.875	-			
2	x		10/30	2.5	2.25	2.25	2.125	2	-		
3		x	10/30	2.75	3	2.875	2.75	-			
4	x		10/30	5.625	5.5	5.5	6.375	-			
5	x		10/30	5.375	5	5	5	4.875	-		
6	x		10/30	3.875	4	4.125	4	-			

***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>2.875</u>	<u>10.43</u>	<u>20</u>
2	<u>2</u>	<u>15</u>	<u>20</u>
3	<u>2.75</u>	<u>3.6</u>	<u>20</u>
4	<u>5.375</u>	<u>5.58</u>	<u>20</u>
5	<u>4.875</u>	<u>6.15</u>	<u>20</u>
6	<u>4</u>	<u>7.5</u>	<u>20</u>
TOTAL OF MIN / IN →		<u>48.26</u>	= <u>8.04</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

- White - Local Agency Yellow - Applicant Pink - Local DEP Office



**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 Lot 2 Test Pit #3001 Subdivision Name Estates at Colony Park

- SUITABLE Soil Type _____ Slope _____% Depth to Limiting Zone 28" inches Ave. Perc. Rate _____
- UNSUITABLE Mottling Seeps or Pounded Water Bedrock Fractures Coarse Fragments
- Perc. Rate Slope Unstabilized Fill Floodplain Other _____

SOILS DESCRIPTION:

Soils Description Completed by: BECS Inc., Colin M. Brand, P.G., P.S.S., S.E.O. Date: March 9, 2006

Inches	Description of Horizon
<u>0</u> TO <u>12</u>	<u>Ap 10YR4/3 channery silt loam, friable, moderate granular structure</u>
<u>12</u> TO <u>29</u>	<u>Bw1 7.5YR5/6 channery silty clay loam, friable, moderate subangular blocky structure</u>
_____ TO _____	_____
_____ TO _____	_____
_____ TO _____	<u>Limiting Zone - 28" inches open voids</u>
_____ TO _____	_____

PERCOLATION TEST:

Percolation Test Completed by: _____ Date: _____

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									
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								
			10 / 30								

***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
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
TOTAL OF MIN / IN →	_____	=	_____
TOTAL NO. OF HOLES →	_____		_____

Min
Inch

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.

(\$) [Signature]
Sewage Enforcement Officer