



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 1- Test Pits 135-138 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BoB Slope _____ % Depth to Limiting Zone 52" Ave. Perc. Rate 5.0
 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
<u>0</u> TO <u>9</u>	<u>Topsoil</u>
<u>9</u> TO <u>25</u>	<u>Light brown silt loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F.</u>
<u>25</u> TO <u>45</u>	<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 40% C.F.</u>
<u>45</u> TO <u>75</u>	<u>Medium brown sandy silt loam, slightly sticky, non-plastic, friable, SAB, 40% C.F.</u>
_____ TO _____	_____
_____ TO _____	<u>Test Pit #136- 75" - bottom of pit Confirming Test Pit #135 - 52" - 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	3.625	3.625	3.25	3.25	3.125	3	-	
2	x		10/30	2.625	2.5	2.625	2.375	-			
3		x	10/30	4.25	3.25	3.75	3.375	3	3.125	3	2.875
4		x	10/30	2.125	1.75	2.125	2.125	2	2	-	
5	x		10/30	3.875	3.625	3.625	3.625	-			
6		x	10/30	5.875	5.625	5.125	4.875	4.25	4.5	3.875	3.5

***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	3	10	20
2	2.375	12.63	20
3	2.875	3.5	20
4	2	5	20
5	3.625	8.3	20
6	3.5	2.9	20
TOTAL OF MIN / IN →		42.33	= 7.06
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

White - Local Agency

Yellow - Applicant

Pink - Local DEP Office



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Application No. _____ Municipality Plainfield Twp County Northampton
Site Location Lot 1- Test Pits 133-134 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BoB Slope _____ % Depth to Limiting Zone 52" 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>10</u>	<u>Topsoil</u>
<u>10</u> TO <u>27</u>	<u>Light brown silt loam, slightly sticky, slightly plastic, friable, SAB, 10% C.F.</u>
<u>27</u> TO <u>42</u>	<u>Strong red brown silty clay loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F.</u>
<u>42</u> TO <u>81</u>	<u>Strong red brown silty clay loam, slightly sticky, slightly plastic, friable, SAB, 40% C.F.</u>
_____ TO _____	_____
_____ TO _____	<u>Test Pit #133- 81" - bottom of pit</u> <u>Confirming Test Pit #134 - 52" - open voids</u>

PERCOLATION TEST:

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: December 2, 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	.375	.5	.125	.25	.25	.375	-	-
2	x		10 / 30	.375	0	.125	.25	.125	-	-	-
3	x		10 / 30	1.25	1.375	1.5	1.25	-	-	-	-
4	x		10 / 30	2.625	2.625	2.75	2.375	2.5	2.25	1.875	2.25
5	x		10 / 30	.25	.375	.25	.5	-	-	-	-
6	x		10 / 30	1.75	1.5	1.5	1.75	-	-	-	-

***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>.375</u>	<u>80</u>	<u>20</u>
2	<u>.125</u>	<u>240</u>	<u>20</u>
3	<u>1.25</u>	<u>24</u>	<u>20</u>
4	<u>2.25</u>	<u>13.33</u>	<u>20</u>
5	<u>.5</u>	<u>60</u>	<u>20</u>
6	<u>1.75</u>	<u>17.14</u>	<u>20</u>
TOTAL OF MIN / IN →		<u>434.47</u>	<u>72.41</u>
TOTAL NO. OF HOLES →		<u>6</u>	

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.

(S)

[Signature]
Sewage Enforcement Officer

White - Local Agency

Yellow - Applicant

Pink - Local DEP Office



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

Application No. _____ Municipality Plainfield Twp County Northampton
 Site Location Lot 1- Test Pits 133-172 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BoB Slope _____ % Depth to Limiting Zone 52" Ave. Perc. Rate 5.0
 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, P.G. - Terra Technologies Date: 8/24/05

Inches	Description of Horizon
<u>0</u> TO <u>10</u>	<u>Topsoil</u>
<u>10</u> TO <u>27</u>	<u>Light brown silt loam, slightly sticky, slightly plastic, friable, SAB, 10% C.F.</u>
<u>27</u> TO <u>42</u>	<u>Strong red brown silty clay loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F.</u>
<u>42</u> TO <u>81</u>	<u>Strong red brown silty clay loam, slightly sticky, slightly plastic, friable, SAB, 40% C.F.</u>
_____ TO _____	_____
_____ TO _____	<u>Test Pit #133- 81" - bottom of pit</u> <u>Confirming Test Pit #172 - 83" - bottom of pit</u>

PERCOLATION TEST:

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: December 2, 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	0	.125	0	.125	-	-	-	-
2	x		10/30	4.25	4.25	4.125	4	-	-	-	-
3	x		10/30	4.5	4.5	4.5	4.625	-	-	-	-
4	x		10/30	.875	1.5	1.5	1.375	1.375	-	-	-
5	x		10/30	.125	.125	.125	.125	-	-	-	-
6	x		10/30	3	3	3.125	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>.125</u>	<u>240</u>	<u>20</u>
2	<u>4</u>	<u>7.5</u>	<u>20</u>
3	<u>4.625</u>	<u>6.49</u>	<u>20</u>
4	<u>1.375</u>	<u>21.82</u>	<u>20</u>
5	<u>.125</u>	<u>240</u>	<u>20</u>
6	<u>3</u>	<u>10</u>	<u>20</u>
TOTAL OF MIN / IN →		<u>525.81</u>	= <u>87.64</u>
TOTAL NO. OF HOLES →		<u>6</u>	

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.
 (S) [Signature]
 Sewage Enforcement Officer

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