



**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 9 - Test Pit # 347 Subdivision Name Estates at Colony Park

- SUITABLE Soil Type Br Slope _____% Depth to Limiting Zone 28 inches Ave. Perc. Rate 17.11
 UNSUITABLE Mottling Seeps or Ponded 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: September 22, 2005

Inches	Description of Horizon
<u>0</u> TO <u>11</u>	<u>Ap 10YR4/3 channery silt loam, friable, moderate granular structure</u>
<u>11</u> TO <u>28</u>	<u>Bw1 7.5YR5/6 channery silt loam, friable, moderate subangular blocky structure</u>
<u>28</u> TO <u>36</u>	<u>BC/Cr 10YR5/4 vry chnrry silt lm/chnnrs, vry frble, wk subangular blocky structure, strctrlss</u>
_____ TO _____	<u>Limiting Zone - 28 inches open voids</u>
_____ TO _____	_____
_____ TO _____	<u>Confirming test pit #330 - no limiting zone to 29 inches</u>

PERCOLATION TEST:

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: November 10, 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	5.75	5.875	5.75	5.625	-			
2		x	10/30	1.875	1.625	1.5	1.5	1.375	-		
3	x		10/30	2.875	2.5	2.375	2.25	2.25	-		
4	x		10/30	.625	.625	.5	.5	-			
5	x		10/30	3.875	3.5	3.25	3.125	3.25	3	-	
6		x	10/30	2.5	1.625	1.625	1.5	1.5	-		

***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	<u>5.625</u>	<u>5.33</u>	<u>20</u>
2	<u>1.375</u>	<u>7.3</u>	<u>20</u>
3	<u>2.25</u>	<u>13.33</u>	<u>20</u>
4	<u>.5</u>	<u>60</u>	<u>20</u>
5	<u>3</u>	<u>10</u>	<u>20</u>
6	<u>1.5</u>	<u>6.7</u>	<u>20</u>
TOTAL OF MIN / IN →		<u>102.66</u>	= <u>17.11</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 9 - Test Pit # 348 Subdivision Name Estates at Colony Park

SUITABLE Soil Type Br Slope _____ % Depth to Limiting Zone 23 inches Ave. Perc. Rate 7.12

UNSUITABLE Mottling Seeps or Ponded 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: September 22, 2005

Inches	Description of Horizon
<u>0</u> TO <u>7</u>	<u>Ap 10YR4/2 channery silt loam, friable, weak granular structure</u>
<u>7</u> TO <u>18</u>	<u>Bw1 7.5YR5/6 very channery silt loam, friable, weak subangular blocky structure</u>
<u>18</u> TO <u>23</u>	<u>Bw2 10YR5/6 extremely channery silt loam, friable, weak subangular blocky structure</u>
<u>+23</u> TO _____	<u>BC/Cr 10YR5/4 extremely channery silt loam/channers, friable, structureless</u>
_____ TO _____	<u>Limiting Zone - 23 inches open voids</u>
_____ TO _____	<u>Confirming Test Pit #349 - 21 inches open voids</u>

PERCOLATION TEST:

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: March 10, 2006

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	2.50	2.625	2.375	2.375	-			
2	x		10 / 30	4.50	4.375	4.125	4.125	4.25	-		
3	x		10 / 30	3.125	3.125	3.0	3.0	-			
4	x		10 / 30	4.625	4.50	4.50	4.50	-			
5	x		10 / 30	4.125	4.125	4.25	4.125	-			
6	x		10 / 30	5.25	5.125	4.50	4.375	4.375	4.0	4.0	4.0

***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	2.375	4.2	13
2	4.25	7.06	13
3	3.0	10	13
4	4.5	6.67	13
5	4.125	7.27	13
6	4.0	7.5	13
TOTAL OF MIN / IN →		42.7	= 7.12
TOTAL NO. OF HOLES →		6	

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



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 Lot 9 - Test Pit # 331 Subdivision Name Estates at Colony Park

SUITABLE Soil Type BoV Slope _____% Depth to Limiting Zone 33 inches Ave. Perc. Rate 17.11

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., Joseph W. Corona, M.S., P.S.S. Date: September 20, 2005

Inches	Description of Horizon
<u>0</u> TO <u>9</u>	<u>Ap 10YR4/3 cravelly silt loam, friable, weak granular structure</u>
<u>9</u> TO <u>20</u>	<u>Bt1 7.5YR5/6 channery silt loam, friable, weak subangular blocky structure</u>
<u>20</u> TO <u>33</u>	<u>Bt2 5YR5/6 very channery silty clay loam, friable, moderate subangular blocky structure</u>
<u>+33</u> TO _____	<u>Cr extremely channery open voids</u>
_____ TO _____	<u>Limiting Zone - 33 inches open voids</u>
_____ TO _____	<u>confirming test pit # 330 - 29" bottom of pit</u>

PERCOLATION TEST:

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: November 10, 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	5.75	5.875	5.75	5.625	-			
2		x	10 / 30	1.875	1.625	1.5	1.5	1.375	-		
3	x		10 / 30	2.875	2.5	2.375	2.25	2.25	-		
4	x		10 / 30	.625	.625	.5	.5	-			
5	x		10 / 30	3.875	3.5	3.25	3.125	3.25	3	-	
6		x	10 / 30	2.5	1.625	1.625	1.5	1.5	-		

***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	<u>5.625</u>	<u>5.33</u>	<u>20</u>
2	<u>1.375</u>	<u>7.3</u>	<u>20</u>
3	<u>2.25</u>	<u>13.33</u>	<u>20</u>
4	<u>.5</u>	<u>60</u>	<u>20</u>
5	<u>3</u>	<u>10</u>	<u>20</u>
6	<u>1.5</u>	<u>6.7</u>	<u>20</u>
TOTAL OF MIN / IN →		<u>102.66</u>	= <u>17.11</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
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INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. _____ Municipality Plainfield Township County Northampton

Site Location Lot 9 - Test Pit # 330 Subdivision Name Estates at Colony Park

- SUITABLE Soil Type Br _____ Slope _____% Depth to Limiting Zone +29 inches Ave. Perc. Rate 9.32
 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., Joseph W. Corona, M.S., P.S.S. Date: September 20, 2005

Inches	Description of Horizon
<u>0</u> TO <u>10</u>	<u>Ap 10YR4/3 gravelly silt loam, friable, weak subangular blocky structure</u>
<u>10</u> TO <u>24</u>	<u>Bw1 10YR5/8 very gravelly silt loam, friable, weak subangular blocky structure</u>
<u>24</u> TO <u>29</u>	<u>Bw2 10YR5/6 very channery silt loam, friable, weak subangular blocky structure</u>
_____ TO _____	<u>No Limiting Zone to 29 inches</u>
_____ TO _____	_____
_____ TO _____	<u>confirming test pit # 347 - 28" open voids</u>

PERCOLATION TEST:

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: November 10, 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	4.125	4	3.875	3.875	-			
2	x		10/30	1.875	1.875	1.75	1.75	-			
3		x	10/30	1.75	1.125	1.25	1.125	1.125	-		
4	x		10/30	3.875	3.5	3.375	3.25	3	3.125	3	-
5	x		10/30	5	4.75	4.625	4.375	3.875	4	4	3.875
6		x	10/30	2.5	2.5	2.375	2.25	-			

***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>7.74</u>	<u>20</u>
2	<u>1.75</u>	<u>17.14</u>	<u>20</u>
3	<u>1.125</u>	<u>8.9</u>	<u>20</u>
4	<u>3</u>	<u>10</u>	<u>20</u>
5	<u>3.875</u>	<u>7.74</u>	<u>20</u>
6	<u>2.25</u>	<u>4.4</u>	<u>20</u>
TOTAL OF MIN / IN →		<u>55.92</u>	= <u>9.32</u>
TOTAL NO. OF HOLES →		<u>6</u>	

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 (S) [Signature]
 Sewage Enforcement Officer



**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 9 - Test Pit # 348 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type Br Slope _____% Depth to Limiting Zone 23 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: September 22, 2005

Inches	Description of Horizon
<u>0</u> TO <u>7</u>	<u>Ap 10YR4/2 channery silt loam, friable, weak granular structure</u>
<u>7</u> TO <u>18</u>	<u>Bw1 7.5YR5/6 very channery silt loam, friable, weak subangular blocky structure</u>
<u>18</u> TO <u>23</u>	<u>Bw2 10YR5/6 extremely channery silt loam, friable, weak subangular blocky structure</u>
<u>+23</u> TO _____	<u>BC/Cr 10YR5/4 extremely channery silt loam/channers, friable, structureless</u>
_____ TO _____	<u>Limiting Zone - 23 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 →			

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