ER-BWQ-290 Appendix A

01/31/00

Revised 5-87

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

SHEET 1 of 2

Application No. Municipality Plainfield Township County Northampton

Site Locat	ion	Lot 21 -	Probes 103	9 & 110		Subdivisi	on Name	Estates at	Colony Pa	rx	
X SUITAB	LE	Soil Type	BrB	Slope 3-8%	Depth to Li	miting Zone	28"	Ave. Perc	Rate	3.74	
UNSUIT	ABLE [Mottling	Seeps or Pon	ded Water	Bedrock	Fractures	X Coarse i	Fragments	Perc. R	ate	
		Slope	Unstabilized	Fill 🖂	Floodplain	Other					
INS	TRUCTI	ONS FOR	COMPLE	TION OF T	HIS FORM	ARE LOC	ATED ON	THE REV	ERSE		
SOILS DES	SCRIPTION	V:	Terra Techr	ologies							
Soils Desc	cription Cor	npleted By:	Peter M. Vo	Ipinari, P.G.			Date:	8/23/2005			
									,		
	Inches				Description of	of Horizon			Probe 11	0	
0	TO	10	Topsoil								
				wn silt loam,	slightly stick	cy, slightly pl	astic,				
10	TO	25	friable, SAB	, 30% C.F							
			Medium bro	wn shaly silt	loam, slighti	ly sticky, non	-plastic,				
25	TO	65.	friable, SAB	, 40% C.F.					Depth to Limiting		
									Zone:		
	TO		No L.Z to 65	5"					28	Inches	
	TO										
					$Z_{.} = 28$ " to c	open voids					
PERCOLA			Terra Techn	40			_				
Percolation	on Test Con	npleted By:	Peter M. Vo	lpinari, P.G.			Date:	12/15/2005		0	
		C									
Weather C		☑ Below		40 F or Ab	ove 🗓	Dry 🗆	Rain, Slee	t, Snow (las	st 24 Hours	3)	
Soil Condit	ions: L	Wet 🗵	Dry 🗆	Frozen							
									Reading	Reading	
	***	Reading	Reading No.1:	Reading No.2:	Reading No.3:	Reading No.4:	Reading No.5:	Reading No.6:	No.7: Inches	No.8: Inches	
Hole Number	Yes/No	Interval		Inches of drop	Inches of drop				of drop	of drop	
1	NO	10	6.000	6.000	6.000	6.000	5.750	5.875	5.875		
2	NO	10	2.750	2:750	2.875	2.000	2.000	2.000	2.000		
3	NO	10	3.000	2.750	3.500	2.750	2.750	2.750	2.750		
4	NO	10	6.000	5.125	5.500	4.500	4.250	4.250	4.125	3.875	

		Reading		Reading No.2:						Reading No.8: Inches
Hale Number	Yes/No	Interval	inches of drop	of drop	of drop					
1	NO	10	6.000	6.000	6.000	6.000	5.750	5.875	5.875	
2	NO	10	2.750	2:750	2.875	2.000	2.000	2.000	2.000	
3	NO	10	3.000	2.750	3.500	2.750	2.750	2.750	2.750	
4	NO	10	6.000	5.125	5.500	4.500	4.250	4.250	4.125	3.875
5	NO	10	6.000	6.000	5.875	5.250	5.000	5.000	4.750	4.875
6	NO	10	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000

^{***} 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:

NOTE: 10 hole test

Hole No.	Orop during final period	Perc Rate as Min./ Inch	Depth of Hole	
1	5.875	1.70	20"	
2	2.000	5.00	20"	
3	2.750	3.64	20"	
4	3.875	2.58	20"	
5	4.875	2.05	20"	
6	6.000		20"	Failed
Fotal of Mi	in/In-	33.67		
Total No. o	of Holes-	9	3.74	Min/Inch

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manor approved by the department.

Sewage Enforcement Officer

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1.500

4.375

Total of Min / In → 33.67
Total No. of Holes → 9

6.67

6.86

20"

____3.74__ Min/inch

2/17/2006

2/17/2006

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SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

SHEET 2 of 2

vision, or confirmed in a manor approved

by the department.

Sewage Enforcement Officer

01/31/00

Application No.			Municipality Plainfield Township					County	County Northampton		
Site Local		Lot 21 -	Probes 105	9 & 110		Subdivisi	on Name	Estates at	Colony Pa	rk	
X SUITAE	BLE	Soil Type	BrB	Slope 3-8%	Depth to Li	miting Zone	28"	Ave. Perc.	Rate	3.74	
UNSUIT			Seeps or Pon		Bedrock					ate	
		Slope	Unstabilized	IFill 🔲	Floodplain	Other					
INS	STRUCTI	ONS FOR	COMPLE"	TION OF T	HIS FORM	ARE LOC	ATED ON	THE REV	ERSE		
	SCRIPTION		Terra Techn								
Solls Des	cription Con	npleted By:	Peter M. Vo	Ipinari, P.G.			Date:	8/23/2005			
									,		
	Inches				Description of	of Horizon			Probe 11	0	
0	TO	10	Topsoil								
					slightly stick	ky, slightly pl	lastic,				
10	TO	25	friable, SAB								
					loam, slighti	ly sticky, non	n-plastic,				
25	то	65	friable, SAB	, 40% C.F.					Depth to Lim	iting	
				_					Zone:		
_	то		No L.Z to 6	5"					28	Inches	
	TO										
					$Z_{*} = 28$ " to c	open voids					
	TION TEST	-		ologies			Date	44400000	47/00		
Percolati	on Test Con	npleted By:	Peter M. Vo	lpinari, P.G.			Date:	1/11/06 & 2/	17/00		
		E Polo		40 5 45		D-: [2]	Dain Clas		d 24 House	- \	
	onditions:				ove ⊔	Dry 🗵	Rain, Siee	t, Snow (las	st 24 Hours	>)	
Soil Condit	tions: LX	Wet	Dry L	Frozen							
	L		Į.	l l					Reading	Reading	
		Reading	Reading No.1:	Reading No.2:	Reading No.3:	Reading No.4:	Reading No.5:	Reading No.6:	No.7: Inches	No.8: Inches	
Hole Number	Yes/No	Interval	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	of drop	of drop	
7	NO	10-	3,875	3.625	3.625	3.750					
8	NO	10	4.000	4.000	3.750	4.000					
9	NO	10	2.125	2.000	1.750	1.625	1.625	1.125	1.375	1.500	
10	YES	30	3.375	3.250	3.250	3.750	4.125	4.375	4,375	4.375	
10	120		0.0.0	V.200							
			-	-							
*** \Aleter to	eveleine in th	a bala at the s	and of the final	20 minute pre	soak? Yes, us	20 minute int	lanual: No usa	10 minute inte	nyal		
vvater re	maining in in	e note at the e	ind or the final	30 minute pre	SOURT 165, USA	6 30 minute in	icivai, ivo use	TO DELICIO E INC			
Calculatio	on of Aug	rano Dorce	lation rate		NOTE: 10	hole test					
Galculatio	OII OI AVEI	age Perco	lation rate	•	14012.10	noie test					
	Drop	Perc Rate									
	during final		Depth of								
Hole No.	period	Inch.	Hole	Date			The informa	ation provide	d is the true	and	
7	3.750	2.67	20"	1/11/2006		1		ilts of tests o			
9	4.000	2.50	20"	1/11/2006		- 1	me perforn	ned under m	v personal	super-	

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SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

SHEET 2 of 2

010100

County Northampton Municipality Plainfield Township Application No. Subdivision Name Estates at Colony Park Lot 21 - Probes 109 & 110 Site Location Depth to Limiting Zone 28" Ave. Perc. Rate SUITABLE Soil Type BrB Slope 3-8% ☐ Bedrock ☐ Fractures ☐ Coarse Fragments Perc. Rate ☐ UNSUITABLE ☐ Floodplain ☐ Other _ ☐ Slope ☐ Unstabilized Fill INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SOILS DESCRIPTION: Terra Technologies Soils Description Completed By: Peter M. Volpinari, P.G. Date: 8/23/2005 Probe 110 Description of Horizon Inches TO Topsoil 0 10 Medium brown silt loam, slightly sticky, slightly plastic, TO 25 friable, SAB, 30% C.F. 10 Medium brown shaly silt loam, slightly sticky, non-plastic, firm, SAB, 40% C.F. Depth to Limiting TO 65 25 Zonec 28" Inches No L.Z to 65" TO TO Probe 109 (8/23/05) - L.Z. = 28" to open voids. PERCOLATION TEST: Terra Technologies Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 2/17/2006 Rain, Sleet, Snow (last 24 Hours) Weather Conditions:

Below 40 F

40 F or Above ☐ Dry ☐ Frozen Soil Conditions: Reading Reading Reading No.2: Reading No.3: Reading No.4: Reading No.5: Reading No.6: No.7: Inches No.8: Inches Reading Reading No.1: inches of drop Inches of drop Inches of drop Inches of drop Yes/No Interval Inches of drop of drop of drop Hole Number 4.000 4.000 3.750 7 NO 10 4.000 1.750 1.625 1,625 1,125 1.375 1.500 2.125 2.000 NO 10 4.375 4.375 4.375 30 3.375 3.250 3.250 3.750 4.125 9 YES *** Water remaining in the hole at the end of the final 30 minute presonk? Yes, use 30 minute interval; No use 10 minute interval NOTE: 9 hole test Calculation of Average Percolation rate:

Hole No. 7 8 9	Drop during final period 4.000 1.500 4.375	Perc Rate as Min./ Inch 2.50 6.67 6.86	Depth of Hole 20" 20" 20"	Date 1/11/2006 2/17/2006 2/17/2006
Total of Mi		33.67	3,74	Min/Inch

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manor approved by the department.

Sewage Enforcement Officer

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SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

SHEET 1 of 2

01/01/00

Application Site Locat ☑ SUITAB ☐ UNSUIT	ion	Soil Type_	Probes 110	0 & 153 Slope 3-8% ded Water	Bedrock		65" Coarse F	Estates at Ave. Perc.	Rate	rk 5.80		
INS	TRUCTION	ONS FOR	COMPLET	TON OF T	HIS FORM	ARE LOC	ATED ON	THE REV	ERSE			
SOILS DES			Terra Techn									
Solls Desc	ription Con	npleted By:	Peter M. Vo	lpinari, P.G.			Date:_	8/23/2005				
	Inches				Description of	of Horizon			Probe 110			
_0	то	10	Topsoil		-11-64041-1	11-6461						
_10	то	25	friable, SAB	, 30% C.F	slightly stick							
25	то	65								Depth to Limiting		
	то		No L.Z to 65	5"	_				Zone: 65	Inches		
	то		Probe 153 (0/0/05\ - No	1.7 to 84"							
PERCOLA	TION TEST		Terra Techn		L.L. 10.04				_			
			Peter M. Vo				Date:	1/11/2006				
Weather Co Soil Conditi	onditions:	☑ Below		40 F or Ab Frozen	_	Dry 🗆	Rain, Slee	t, Snow (las	st 24 Hours	3)		
Hole Number	Yes/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		
1	NO	10	3.875	3.500	3.125	3.375	3,500	3.250	3.375			
2	NO	10	3.375	3.500	3.375	3.375						
3	NO	10	4.000	4.125	3.750	3,750	3.875	3.625				

3.875

5.500

4,000

Calculation of Average Percolation rate:

YES

YES

NO

4

5

NOTE: 8 hole test

4.000

4.750

3.875

5.000

4.000

5.500

3.875

Hole No.	Drop during final period	Perc Rate as Min./ Inch	Depth of Hole	Date
1	3.375	2.96	17"	
2	3.375	2.96	17"	
3	3.625	2.76	17"	
4	4.000	7.50	17"	
5	2.250	13.33	17"	
6	3.875	2.58	17"	
Total of Mi	in/In —→	46.40		
Total No. o	of Holes-	8	5.80	Min/Inch

30

30

10

4.125

5.500

4.125

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manor approved by the department.

6.000

3.500

2.250

Sewage Enforcement Officer

^{***} Water remaining in the hole at the end of the final 30 minute prescak? Yes, use 30 minute interval; No use 10 minute interval

Total of Min / In ———— Total No. of Holes →

01/31/00

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

SHEET 2 of 2

Applicatio	n No.			/unicipality	Plainfield 1	ownship		County	Northamp	ton
Site Local			Probes 110					Estates at		
SUITAE				Slope 3-8%	Depth to Li			Ave. Perc.		5.80
UNSUIT		☐ Mottling ☐			Bedrock					ate
	INDEL		Unstabilized		Floodplain				_	
		_ оторо _	OTIOCODINEC							
INS	STRUC	TIONS FOR	COMPLET	TION OF T	HIS FORM	ARE LOC	ATED ON	THE REV	ERSE	
SOILS DE			Terra Techn			7012 200				
		ompleted By:		-			Date:	8/23/2005		
Solis Des	eripuon c	ompleted by.	Feter M. Vo	принате г. О.				OLEGIZOUS		
	Inches				Description of	of Horizon			Probe 11	10
0	ТО	10	Topsoil							
				wn silt Ioam.	slightly stick	v. slightly pl	astic.	-		
10	TO	25	friable, SAB			,, , ,				
_10					loam, slighti	v sticky, non	-plastic,			
25	TO	65	firm, SAB, 4		, ,				Depth to Lim	niting
			,						Zone:	
	TO		No L.Z to 65	5"					65	Inches
	TO									
			Probe 153 (9/9/05) - No	L.Z. to 84"					
PERCOLA	TION TE	ST:	Terra Techn							
Percolati	on Test C	ompleted By:	Peter M. Vo	lpinari, P.G.			Date:	2/17/2006		
Weather C	conditions	: 🗵 Below	40 F	40 F or Ab	ove 🗓	Dry 🗆	Rain, Slee	t, Snow (las	st 24 Hours	s)
Soil Condi	tions:	☐ Wet 🗵	Dry	Frozen						
			•							
1			B	n	0	Deserted No. 6:	Bandles No.5	Reading No.6:	Reading No.7: Inches	Reading No.8: Inches
Hole Number	Yes/No	Reading Interval	Reading No.1: Inches of drop	Reading No.2: Inches of drop		Inches of drop	Inches of drop	Inches of drop	of drop	of drop
7	YES	30	4.000	3.625	3.375	3.250	3.250	3.125	o. d.op	отогор
8	NO	10	2.250	2.375	2.125	2.125				
0	INO	10	2.250	2.575	2.120	2.120				
								_		_
				7 ·						
*** Water re	maining in	the hole at the e	nd of the final	30 minute pre	soak? Yes, us	30 minute int	terval; No use	10 minute inte	rval	
Calculati	on of A	erage Perco	lation rate	:	NOTE: 81	iole test				
	Drop									
	during fi		Depth of				The state of the s		d in the true	
Hole No.	perloc		Hole			1		ation provide		
	3.125		17"					ults of tests o		
8	2.125	4.71	17"					ned under m		
								onfirmed in a	manor app	proved
							by the depa	artment.	- 1	

5.80 Min/Inch