

SOAKAWAY TEST RESULTS

Date of Test: 10-06-13

Hole ID: SA1

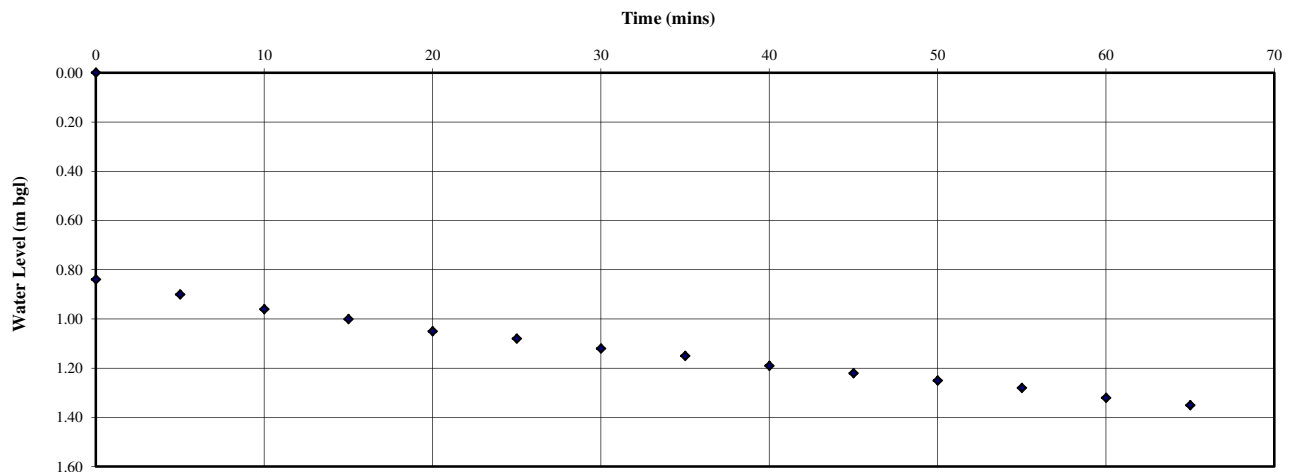
Test 1

Start of Test

11:35

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.00	0.40	1.50	0.66

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	Effective storage volume in trial pit between effective depths 25% to 75%. $V_{(p75-25)} =$ = 0.13 m ³	
0.0	0.840			Initial surface area of trial pit up to 50% effective depth and including the base area. $a_{(p50)} =$ = 1.32 m ²	
5.0	0.900				
10.0	0.960				
15.0	1.000				
20.0	1.050				
25.0	1.080			Time for the water level to fall from 75 % to 25% effective depth. $t_{(p75-25)} =$ = 50 min	
30.0	1.120				
35.0	1.150				
40.0	1.190				
45.0	1.220				
50.0	1.250			Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$	
55.0	1.280				
60.0	1.320				
65.0	1.350				
				Depth (25%) = 1.335 Depth (75%) = 1.005 m	
				Soil infiltration rate = 3.3E-05 m/sec	
				Remarks * Extrapolated soil infiltration rate	



SOAKAWAY TEST RESULTS

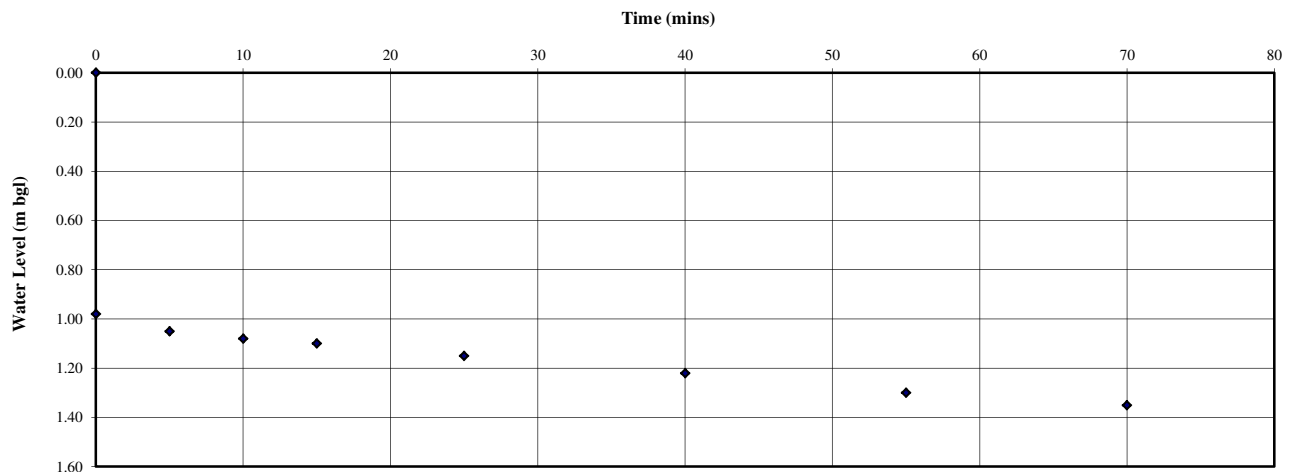
Date of Test: 10-06-13

Hole ID: SA1
Test 2

Start of Test 1:35

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.00	0.40	1.50	0.52

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	$V_{(p75-25)}$ = Effective storage volume in trial pit between effective depths 25% to 75%. = 0.10 m ³	
0.0	0.980			$a_{(p50)}$ = Initial surface area of trial pit up to 50% effective depth and including the base area. = 1.13 m ²	
5.0	1.050				
10.0	1.080				
15.0	1.100				
25.0	1.150			$t_{(p75-25)}$ = Time for the water level to fall from 75 % to 25% effective depth. = 55 min	
40.0	1.220				
55.0	1.300				
70.0	1.350				
				Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$	
				Depth _(25%) = 1.37	Depth _(75%) = 1.110 m
				Soil infiltration rate = 2.8E-05 m/sec	
				Remarks * Extrapolated soil infiltration rate	



SOAKAWAY TEST RESULTS

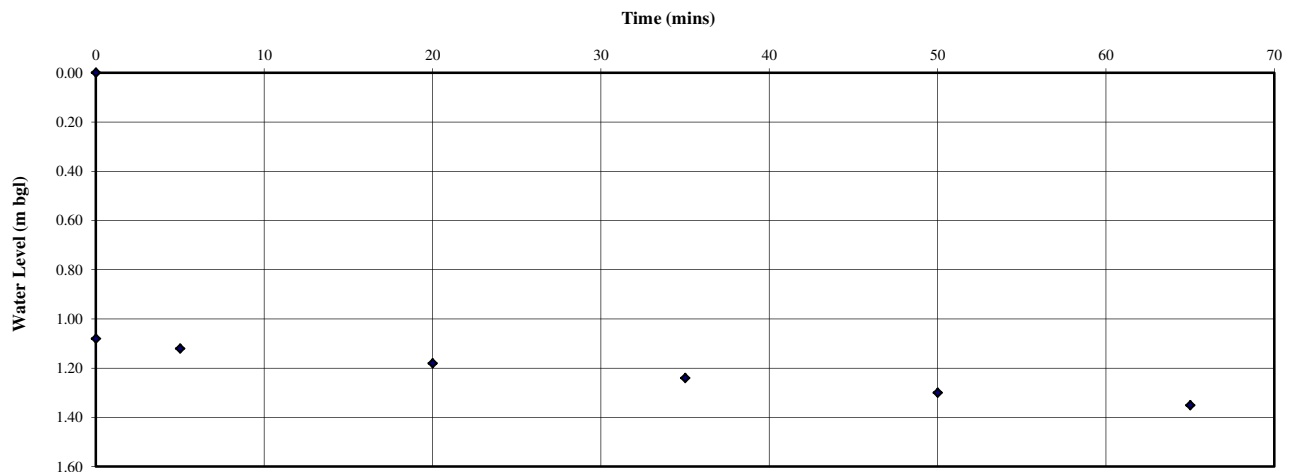
Date of Test: 10-06-13

Hole ID: SA1
Test 3

Start of Test 2:55

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.00	0.40	1.50	0.42

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	$V_{(p75-25)}$ = Effective storage volume in trial pit between effective depths 25% to 75%. = 0.08 m ³	
0.0	1.080				
5.0	1.120				
20.0	1.180			$a_{(p50)}$ = Initial surface area of trial pit up to 50% effective depth and including the base area. = 0.99 m ²	
35.0	1.240				
50.0	1.300				
65.0	1.350			$t_{(p75-25)}$ = Time for the water level to fall from 75 % to 25% effective depth. = 45 min	
				Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$	
				Depth _(25%) = 1.395	Depth _(75%) = 1.185 m
				Soil infiltration rate = 3.1E-05 m/sec	
				Remarks * Extrapolated soil infiltration rate	



SOAKAWAY TEST RESULTS

Date of Test: 10-06-13

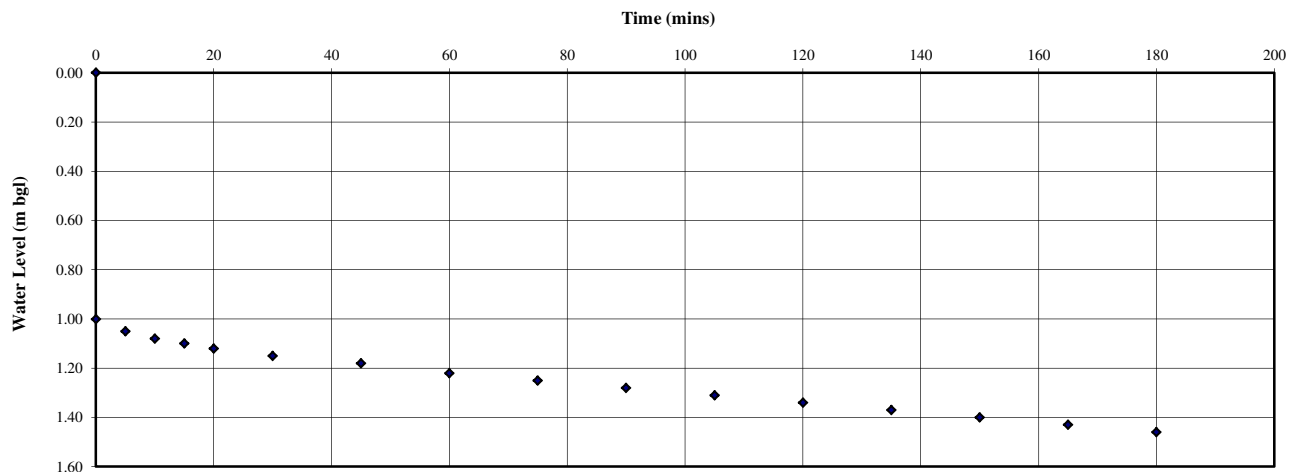
Hole ID: SA2

Test 1

Start of Test 11:00

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.00	0.40	1.60	0.60

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	$V_{(p75-25)}$ = Effective storage volume in trial pit between effective depths 25% to 75%. = 0.12 m ³
0.0	1.000			
5.0	1.050			
10.0	1.080			
15.0	1.100			
20.0	1.120			$a_{(p50)}$ = Initial surface area of trial pit up to 50% effective depth and including the base area. = 1.24 m ²
30.0	1.150			
45.0	1.180			
60.0	1.220			
75.0	1.250			
90.0	1.280			$t_{(p75-25)}$ = Time for the water level to fall from 75 % to 25% effective depth. = 150 min
105.0	1.310			
120.0	1.340			
135.0	1.370			
150.0	1.400			
165.0	1.430			Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$
180.0	1.460			
				Depth _(25%) = 1.45 Depth _(75%) = 1.150 m
				Soil infiltration rate = 1.1E-05 m/sec
				Remarks
				* Extrapolated soil infiltration rate



SOAKAWAY TEST RESULTS

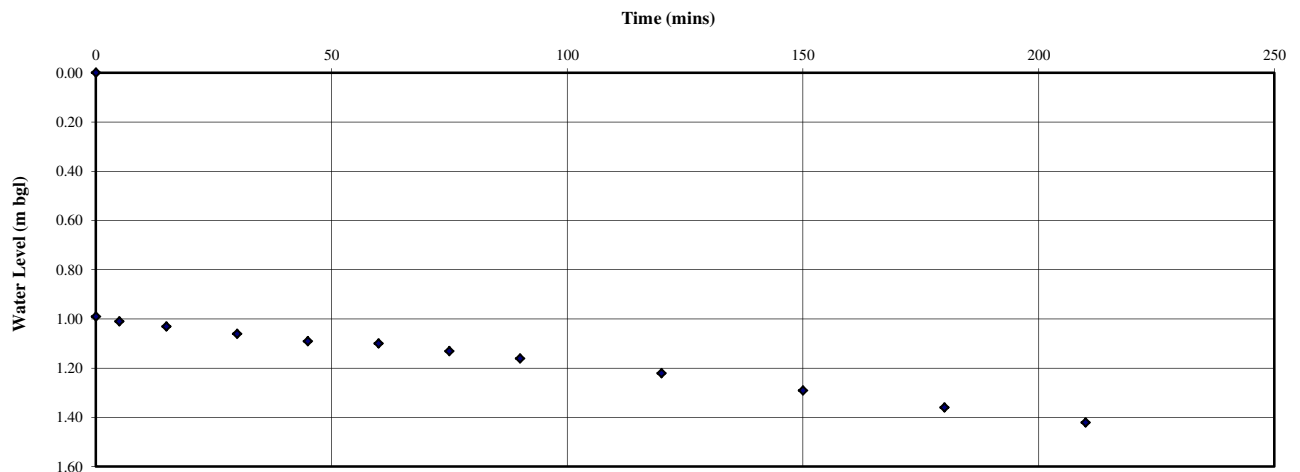
Date of Test: 10-06-13

Hole ID: SA2
Test 2

Start of Test 1:15

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.00	0.40	1.60	0.61

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	$V_{(p75-25)}$ = Effective storage volume in trial pit between effective depths 25% to 75%. = 0.12 m ³
0.0	0.990			
5.0	1.010			
15.0	1.030			
30.0	1.060			$a_{(p50)}$ = Initial surface area of trial pit up to 50% effective depth and including the base area. = 1.25 m ²
45.0	1.090			
60.0	1.100			
75.0	1.130			
90.0	1.160			$t_{(p75-25)}$ = Time for the water level to fall from 75 % to 25% effective depth. = 140 min
120.0	1.220			
150.0	1.290			
180.0	1.360			
210.0	1.420			Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$
				Depth _(25%) = 1.4475 Depth _(75%) = 1.143 m
				Soil infiltration rate = 1.2E-05 m/sec
				Remarks * Extrapolated soil infiltration rate



SOAKAWAY TEST RESULTS

Date of Test: 10-06-13

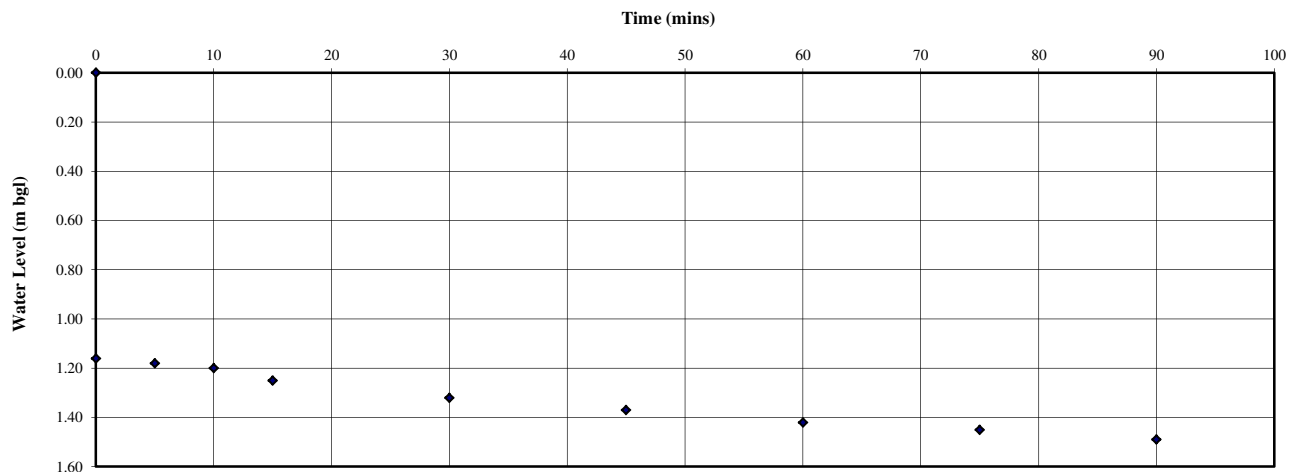
Hole ID: SA3

Test 1

Start of Test 12:30

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.00	0.40	1.60	0.44

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	$V_{(p75-25)}$ = Effective storage volume in trial pit between effective depths 25% to 75%. = 0.09 m ³
0.0	1.160			
5.0	1.180			
10.0	1.200			
15.0	1.250			$a_{(p50)}$ = Initial surface area of trial pit up to 50% effective depth and including the base area. = 1.02 m ²
30.0	1.320			
45.0	1.370			
60.0	1.420			
75.0	1.450			$t_{(p75-25)}$ = Time for the water level to fall from 75 % to 25% effective depth. = 70 min
90.0	1.490			
				Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$
				Depth _(25%) = 1.49 Depth _(75%) = 1.270 m
				Soil infiltration rate = 2.1E-05 m/sec
				Remarks * Extrapolated soil infiltration rate



SOAKAWAY TEST RESULTS

Date of Test: 10-06-13

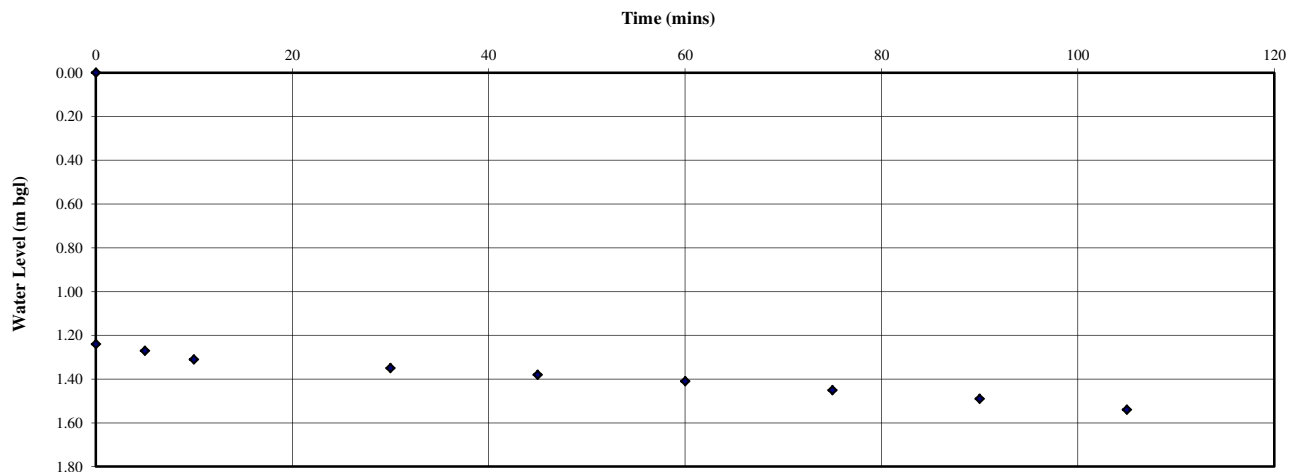
Hole ID: SA3

Test 2

Start of Test 2:30

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.00	0.40	1.60	0.36

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	Effective storage volume in trial pit between effective depths 25% to 75%. $V_{(p75-25)} =$ = 0.07 m ³	
0.0	1.240			Initial surface area of trial pit up to 50% effective depth and including the base area. $a_{(p50)} =$ = 0.90 m ²	
5.0	1.270				
10.0	1.310				
30.0	1.350				
45.0	1.380				
60.0	1.410			Time for the water level to fall from 75 % to 25% effective depth. $t_{(p75-25)} =$ = 85 min	
75.0	1.450				
90.0	1.490				
105.0	1.540			Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$	
				Depth (25%) = 1.51	Depth (75%) = 1.330 m
				Soil infiltration rate = 1.6E-05 m/sec	
				Remarks * Extrapolated soil infiltration rate	



SOAKAWAY TEST RESULTS

Date of Test: 10-06-13

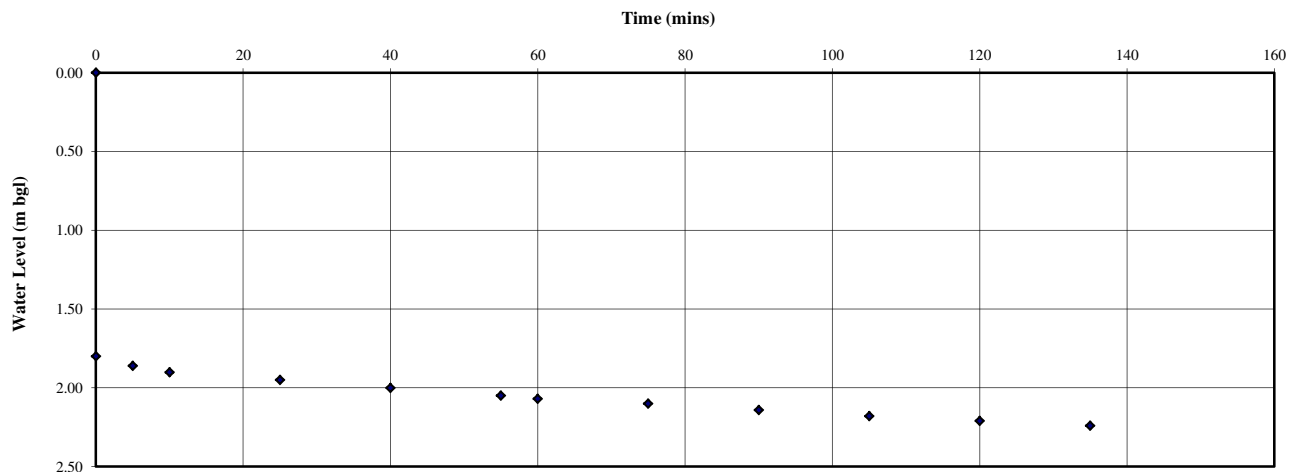
Hole ID: SA4

Test 1

Start of Test 12:35

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.00	0.40	2.40	0.60

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	Effective storage volume in trial pit between effective depths 25% to 75%. $V_{(p75-25)} =$ = 0.12 m ³	
0.0	1.800			Initial surface area of trial pit up to 50% effective depth and including the base area. $a_{(p50)} =$ = 1.24 m ²	
5.0	1.860				
10.0	1.900				
25.0	1.950				
40.0	2.000				
55.0	2.050			Time for the water level to fall from 75 % to 25% effective depth. $t_{(p75-25)} =$ = 105 min	
60.0	2.070				
75.0	2.100				
90.0	2.140				
105.0	2.180				
120.0	2.210			Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$	
135.0	2.240				
				Depth (25%) = 2.25	Depth (75%) = 1.950 m
				Soil infiltration rate = 1.5E-05 m/sec	
				Remarks Fill material at upper levels, pit taken down into natural sand and test performed at lower level. Soakaways in this area will be deep. * Extrapolated soil infiltration rate	



SOAKAWAY TEST RESULTS

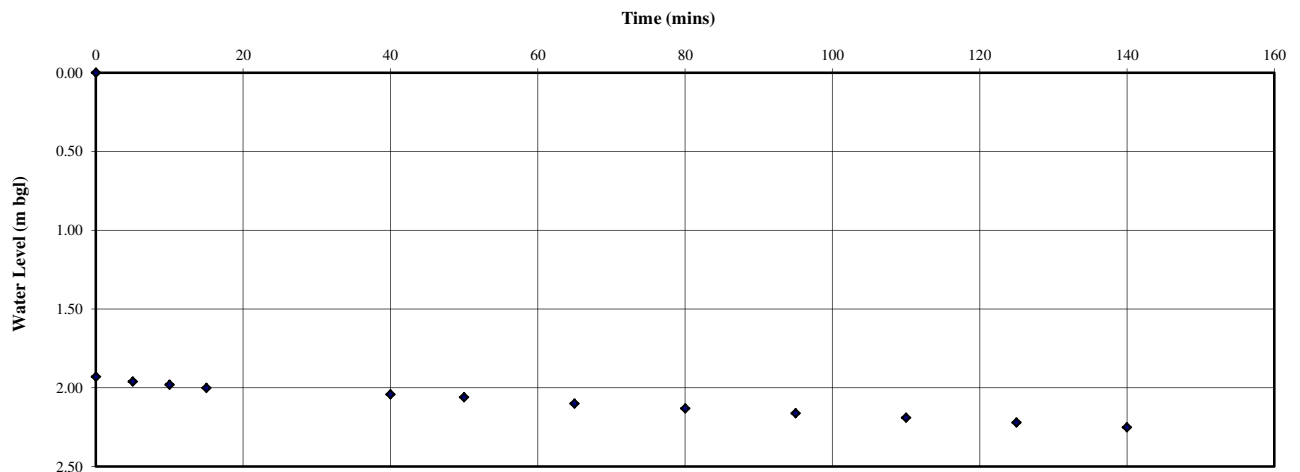
Date of Test: 10-06-13

Hole ID: SA4
Test 2

Start of Test 2:50

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.00	0.40	2.40	0.47

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	Effective storage volume in trial pit between effective depths 25% to 75%. $V_{(p75-25)} =$ = 0.09 m ³	
0.0	1.930			Initial surface area of trial pit up to 50% effective depth and including the base area. $a_{(p50)} =$ = 1.06 m ²	
5.0	1.960				
10.0	1.980				
15.0	2.000				
40.0	2.040				
50.0	2.060			Time for the water level to fall from 75 % to 25% effective depth. $t_{(p75-25)} =$ = 100 min	
65.0	2.100				
80.0	2.130				
95.0	2.160				
110.0	2.190				
125.0	2.220			Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$	
140.0	2.250				
				Depth (25%) = 2.2825	Depth (75%) = 2.048 m
				Soil infiltration rate = 1.5E-05 m/sec	
				Remarks Fill material at upper levels, pit taken down into natural sand and test performed at lower level. Soakaways in this area will be deep. * Extrapolated soil infiltration rate	



SOAKAWAY TEST RESULTS

Date of Test: 10-06-13

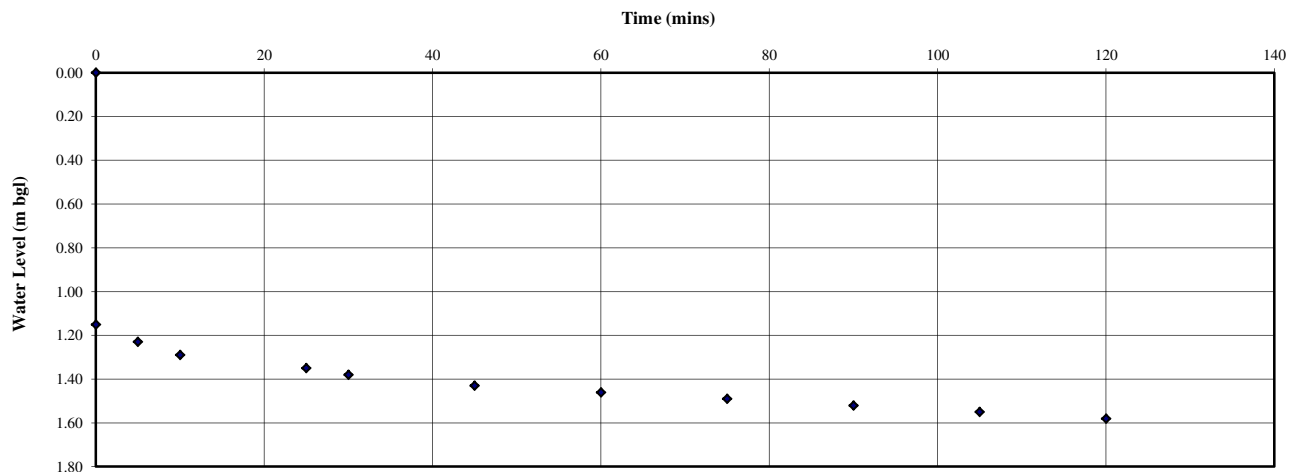
Hole ID: SA5

Test 1

Start of Test 1:30

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.00	0.40	1.70	0.55

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	Effective storage volume in trial pit between effective depths 25% to 75%. $V_{(p75-25)} =$ = 0.11 m ³	
0.0	1.150			Initial surface area of trial pit up to 50% effective depth and including the base area. $a_{(p50)} =$ = 1.17 m ²	
5.0	1.230				
10.0	1.290				
25.0	1.350				
30.0	1.380				
45.0	1.430			Time for the water level to fall from 75 % to 25% effective depth. $t_{(p75-25)} =$ = 100 min	
60.0	1.460				
75.0	1.490				
90.0	1.520				
105.0	1.550				
120.0	1.580			Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$	
				Depth (25%) = 1.5625	Depth (75%) = 1.288 m
				Soil infiltration rate = 1.6E-05 m/sec	
				Remarks Fill material at upper levels, pit taken down into natural sand and test performed at lower level. Soakaways in this area will be deep. * Extrapolated soil infiltration rate	



SOAKAWAY TEST RESULTS

Date of Test: 10-06-13

Hole ID: SA5
Test 2
Start of Test 3:00

Trial Pit Dimensions (m)	Length	Width	Depth	Depth for Analysis
	1.00	0.40	1.70	0.55

Time (mins)	Depth of water (m bgl)	Time (mins)	Depth of water (m bgl)	Effective storage volume in trial pit between effective depths 25% to 75%. $V_{(p75-25)} =$ = 0.11 m ³	
0.0	1.150			Initial surface area of trial pit up to 50% effective depth and including the base area. $a_{(p50)} =$ = 1.17 m ²	
5.0	1.210				
10.0	1.250				
25.0	1.320				
40.0	1.370				
55.0	1.420			Time for the water level to fall from 75 % to 25% effective depth. $t_{(p75-25)} =$ = 75 min	
70.0	1.470				
85.0	1.520			Soil infiltration rate = $\frac{V_{(p75-25)}}{t_{(p75-25)} \times a_{(p50)} \times 60}$	
90.0	1.570				
				Depth _(25%) = 1.5625 Depth _(75%) = 1.288 m	
				Soil infiltration rate = 2.1E-05 m/sec	
				Remarks Fill material at upper levels, pit taken down into natural sand and test performed at lower level. Soakaways in this area will be deep. * Extrapolated soil infiltration rate	

