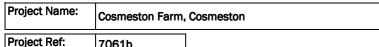
SOAKAWAY INFILTRATION TEST RESULTS

BRE 365 method





	700
Toot Location:	ETD1

Test Location:	ETP1
Fill Number:	1

Soil Infiltration Rate	5.46E-06 m/sec
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Test results:

Pit Dimensions (m)

TOST TOSTION.		
Time	Water Level	
(mins)	(m bgl)	
0	0.51	
1	0.51	
2	0.51	
3	0.51	
4	0.51	
7	0.52	
10	0.52	
25	0.54	
50	0.57	
60	0.58	
75	0.60	
105	0.65	
145	0.68	
210	0.73	
270	0.78	
330	0.82	
690	1.10	

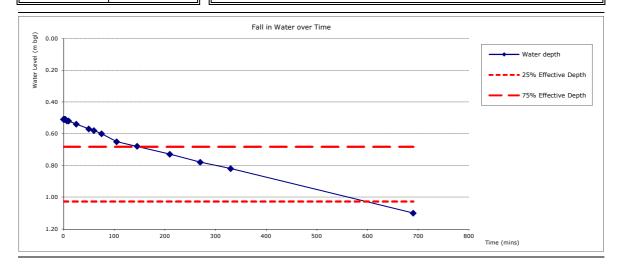
length	2.00	
width	0.70	
depth	1.20	

Assumed Invert Level (m bgl) 0.00

See Trial Pit Log ETP1 for Ground Conditions

Remarks:

- 1. Testing undertaken in general accordance with BRE Digest 365:2007
- 2. Trial pit was not filled with aggregate for test.
- 3. Some spalling of pit sides during excavation. Sides became unstable with addition of water.
- 4. Results extrapolated to obtain soakage rate



Soil Infiltration Rate (m/sec)

V p75 - 25	
α _{p50} x t _{p75-25}	

V _{p75-25}	Effective depth storage volume of water in the trial pit between 75% and 25% effective depth	0.48
α _{p50}	The internal surface area of the trial pit up to 50% effective depth and including the base area	3.263
t _{p75-25}	The time for the water level to fall from 75% to 25% effective depth	452

Soil Infiltration Rate (m/sec)

f 0.483 88450.60714

EXTRAPOLATED

f **5.46E-06**