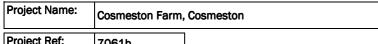
SOAKAWAY INFILTRATION TEST RESULTS

BRE 365 method





Test Location:	ETP23
Fill Number:	1

Soil Infiltration Rate	6.02E-06 m/sec
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Test results:

Pit Dimensions (m)

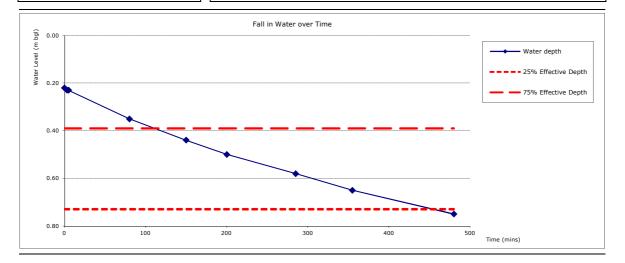
length	Water Level	Time
width	(m bgl)	(mins)
depth	0.22	0
-	0.23	3
Assur	0.23	5
	0.35	80
See	0.44	150
	0.50	200
	0.58	285
	0.65	355
	0.75	480

length	1.80		
width	0.60		
depth	0.90]	
Assumed Inver	rt Level (m bgl)	TH	0.00

See Trial Pit Log ETP23 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)

 $\frac{V_{p75-25}}{\alpha_{p50} \, x \, t_{p75-25}}$

V _{p75-25}	Effective depth storage volume of water in the trial pit between 75% and 25% effective depth	0.37
α _{p50}	The internal surface area of the trial pit up to 50% effective depth and including the base area	2.712
t _{p75 - 25}	The time for the water level to fall from 75% to 25% effective depth	375

Soil Infiltration Rate (m/sec)

f 0.367 61020

EXTRAPOLATED

f **6.02E-06**