

SUMMARY OF RATES OF INFILTRATION

SITE: ----- Bryneithin, Dinas Powys -----

JOB No: ----- PC060 -----

SOAKAWAY		Base of Pit (m)	WATER LEVEL DURING TEST (m)		INFILTRATION RATE (A) (m/sec) - BRE Digest 365	INFILTRATION RATE (B) (m/sec) - full Area
Pit	Cycle		Start	Finish		
1	1	3.00	1.300	2.510	2.29E-05	1.43E-05
3	1	1.50	0.460	1.310	2.28E-05	1.76E-05
4	1	1.60	0.600	1.410	8.65E-05	6.62E-05
4	2	1.60	0.560	1.540	4.14E-05	3.82E-05
4	3	1.60	0.440	1.280	5.63E-05	3.74E-05
5	1	1.40	0.250	0.890	2.47E-05	1.26E-05
2	1	1.30	0.520	0.880	1.37E-05	6.54E-06

Note :

Infiltration Rate (A) is the standard calculation outlined in BRE Digest 365, which takes account of actual drained area of pit.

Infiltration Rate (B) is based on the principles outlined in BRE Digest 365, but also includes the full undrained area of pit.

Where only partial drainage has occurred, the quoted infiltration rate should be used as a guide only and strictly only apply to the drained portion of the pit; substantially lower rates would apply to the lower undrained section of the pit.

Infl-rates

16/02/2004