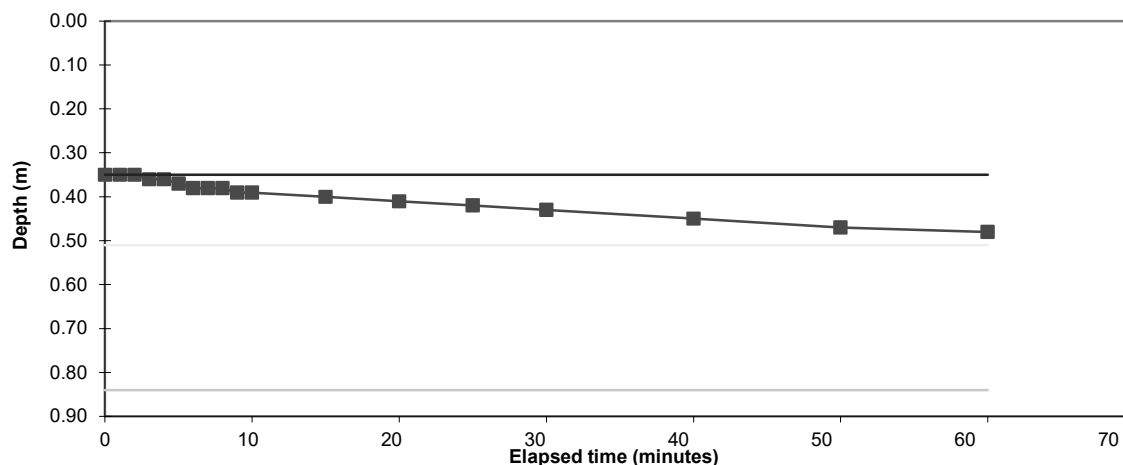


Soakaway Test Results

Trial Pit No: SA02 Test No: 1 Date: 10.10.2023
 Length (m): 1.00
 Width (m): 0.30 Granular infill: NA
 Depth (m): 1.00 Porosity of infill: 1 (assumed)

Elapsed time (minutes)	Water Depth (metres)	Elapsed time (minutes)	Water Depth (metres)
0	0.35	30	0.43
1	0.35	40	0.45
2	0.35	50	0.47
3	0.36	60	0.48
4	0.36		
5	0.37		
6	0.38		
7	0.38		
8	0.38		
9	0.39		
10	0.39		
15	0.40		
20	0.41		
25	0.42		



Water depth at start of test (m): 0.35
 75% effective depth (m): 0.51 Elapsed time (mins): #N/A
 50% effective depth (m): 0.68
 25% effective depth (m): 0.84 Elapsed time (mins): #N/A
 Empty depth (m): 1.00

Volume outflow between 75% and 25% effective depth (m³):
 Mean surface area of outflow (m²): 1.13
 (side area at 50% effective depth + base area)
 Time for outflow between 75% and 25% effective depth (mins):

Soil infiltration rate (m/s): **Test incomplete as 25% effective depth not achieved. Unable to reliably determine soil infiltration rate**

Remarks

Notes:
 Results processed following BRE 365 (1991)
 Water depths measured below ground level

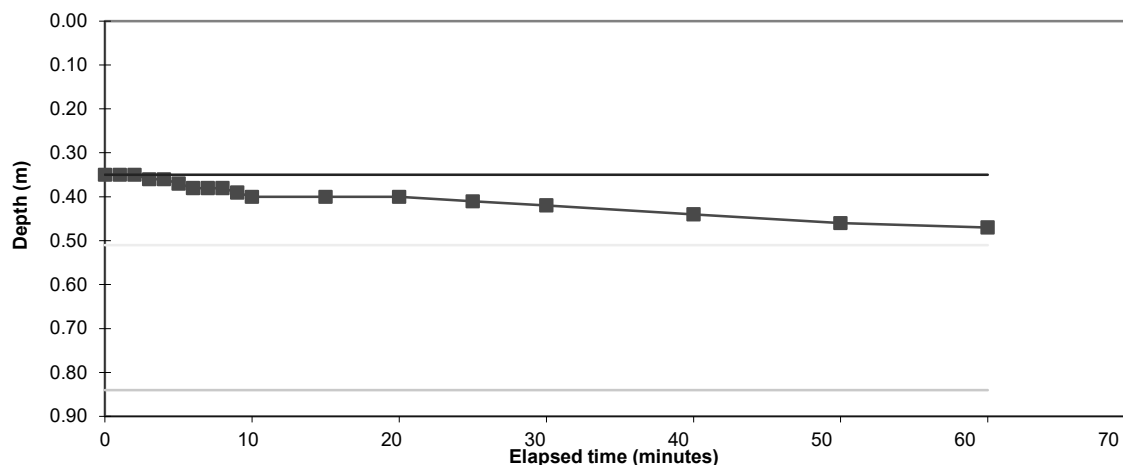
Project: Blaendulais
 Project No.: 22181
 Carried out for: TRJ

Figure
SA02_1

Soakaway Test Results

Trial Pit No: SA02 Test No: 2 Date: 10.10.2023
 Length (m): 1.00
 Width (m): 0.30 Granular infill: NA
 Depth (m): 1.00 Porosity of infill: 1 (assumed)

Elapsed time (minutes)	Water Depth (metres)	Elapsed time (minutes)	Water Depth (metres)
0	0.35	30	0.42
1	0.35	40	0.44
2	0.35	50	0.46
3	0.36	60	0.47
4	0.36		
5	0.37		
6	0.38		
7	0.38		
8	0.38		
9	0.39		
10	0.40		
15	0.40		
20	0.40		
25	0.41		



Water depth at start of test (m): 0.35
 75% effective depth (m): 0.51 Elapsed time (mins): #N/A
 50% effective depth (m): 0.68
 25% effective depth (m): 0.84 Elapsed time (mins): #N/A
 Empty depth (m): 1.00

Volume outflow between 75% and 25% effective depth (m³):
 Mean surface area of outflow (m²): 1.13
 (side area at 50% effective depth + base area)
 Time for outflow between 75% and 25% effective depth (mins):

Soil infiltration rate (m/s): Test incomplete as 25% effective depth not achieved. Unable to reliably determine soil infiltration rate

Remarks

Notes:
 Results processed following BRE 365 (1991)
 Water depths measured below ground level

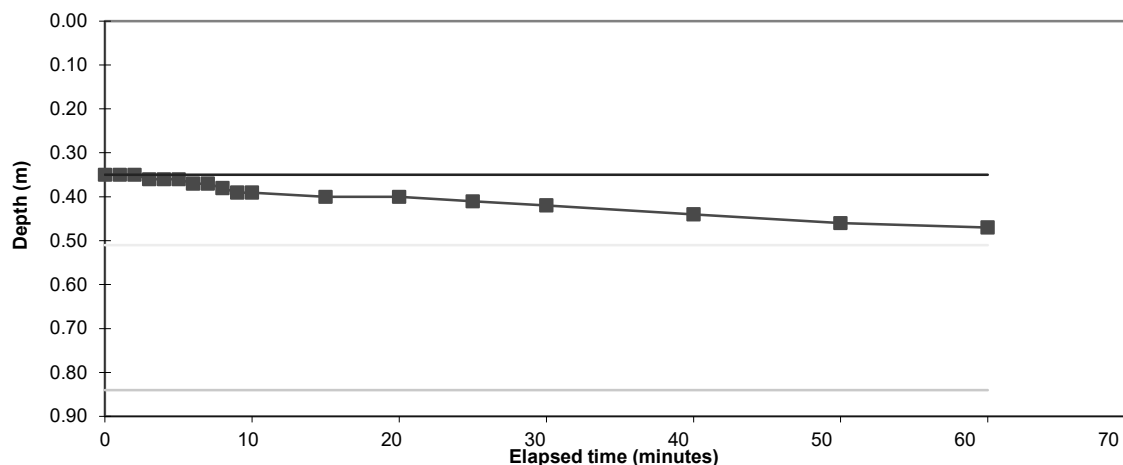
Project Blaendulais
 Project No. 22181
 Carried out for TRJ

Figure
SA02_2

Soakaway Test Results

Trial Pit No: SA02 Test No: 3 Date: 10.10.2023
 Length (m): 1.00
 Width (m): 0.30 Granular infill: NA
 Depth (m): 1.00 Porosity of infill: 1 (assumed)

Elapsed time (minutes)	Water Depth (metres)	Elapsed time (minutes)	Water Depth (metres)
0	0.35	30	0.42
1	0.35	40	0.44
2	0.35	50	0.46
3	0.36	60	0.47
4	0.36		
5	0.36		
6	0.37		
7	0.37		
8	0.38		
9	0.39		
10	0.39		
15	0.40		
20	0.40		
25	0.41		



Water depth at start of test (m): 0.35
 75% effective depth (m): 0.51 Elapsed time (mins): #N/A
 50% effective depth (m): 0.68
 25% effective depth (m): 0.84 Elapsed time (mins): #N/A
 Empty depth (m): 1.00

Volume outflow between 75% and 25% effective depth (m³):
 Mean surface area of outflow (m²): 1.13
 (side area at 50% effective depth + base area)
 Time for outflow between 75% and 25% effective depth (mins):

Soil infiltration rate (m/s): **Test incomplete as 25% effective depth not achieved. Unable to reliably determine soil infiltration rate**

Remarks

Notes:
 Results processed following BRE 365 (1991)
 Water depths measured below ground level

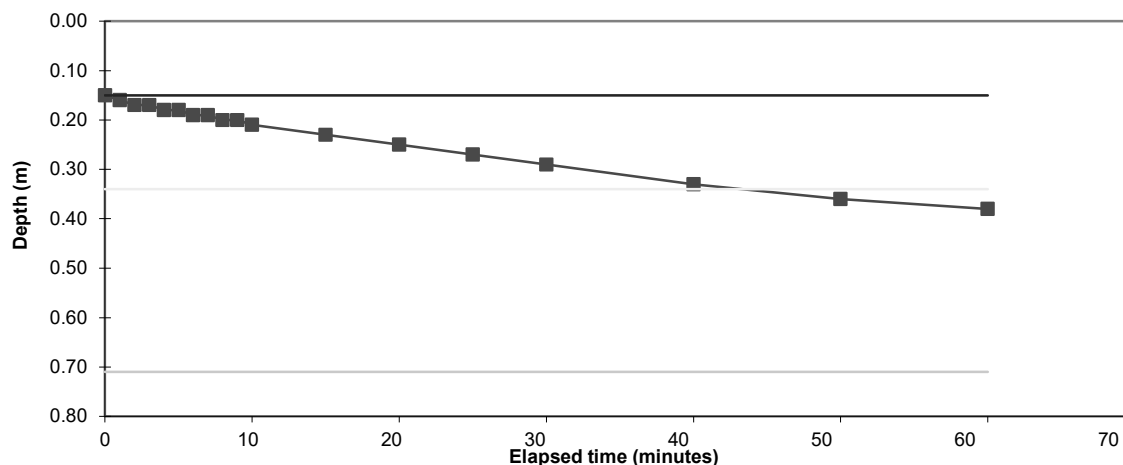
Project: Blaendulais
 Project No.: 22181
 Carried out for: TRJ

Figure
SA02_3

Soakaway Test Results

Trial Pit No: SA03 Test No: 1 Date: 10.10.2023
 Length (m): 1.00
 Width (m): 0.30 Granular infill: NA
 Depth (m): 0.90 Porosity of infill: 1 (assumed)

Elapsed time (minutes)	Water Depth (metres)	Elapsed time (minutes)	Water Depth (metres)
0	0.15	30	0.29
1	0.16	40	0.33
2	0.17	50	0.36
3	0.17	60	0.38
4	0.18		
5	0.18		
6	0.19		
7	0.19		
8	0.20		
9	0.20		
10	0.21		
15	0.23		
20	0.25		
25	0.27		



Water depth at start of test (m): 0.15
 75% effective depth (m): 0.34 Elapsed time (mins): 43.3
 50% effective depth (m): 0.53
 25% effective depth (m): 0.71 Elapsed time (mins): #N/A
 Empty depth (m): 0.90

Volume outflow between 75% and 25% effective depth (m³):
 Mean surface area of outflow (m²): 1.26
 (side area at 50% effective depth + base area)
 Time for outflow between 75% and 25% effective depth (mins):

Soil infiltration rate (m/s): Test incomplete as 25% effective depth not achieved. Unable to reliably determine soil infiltration rate

Remarks

Notes:
 Results processed following BRE 365 (1991)
 Water depths measured below ground level

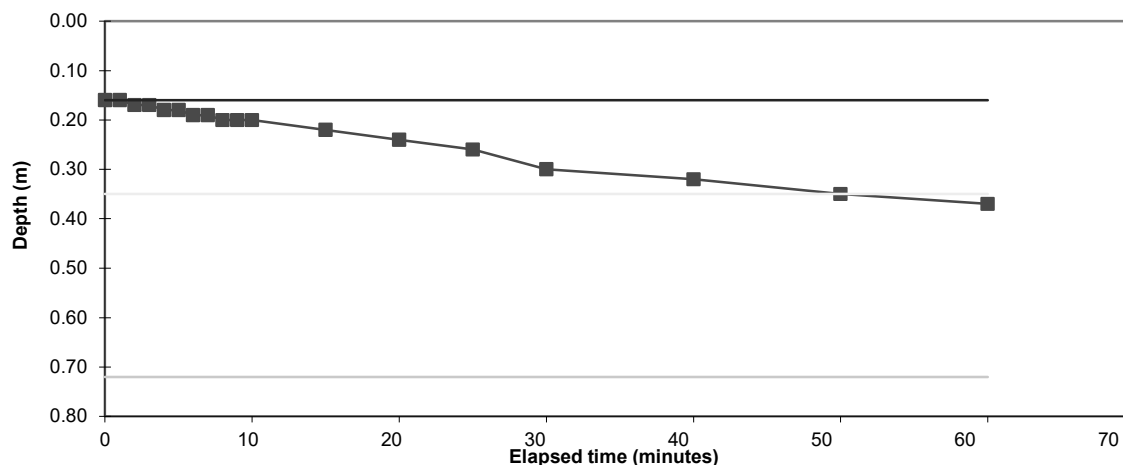
Project: Blaendulais
 Project No.: 22181
 Carried out for: TRJ

Figure
SA03_1

Soakaway Test Results

Trial Pit No: SA03 Test No: 2 Date: 10.10.2023
 Length (m): 1.00
 Width (m): 0.30 Granular infill: NA
 Depth (m): 0.90 Porosity of infill: 1 (assumed)

Elapsed time (minutes)	Water Depth (metres)	Elapsed time (minutes)	Water Depth (metres)
0	0.16	30	0.30
1	0.16	40	0.32
2	0.17	50	0.35
3	0.17	60	0.37
4	0.18		
5	0.18		
6	0.19		
7	0.19		
8	0.20		
9	0.20		
10	0.20		
15	0.22		
20	0.24		
25	0.26		



Water depth at start of test (m): 0.16
 75% effective depth (m): 0.35 Elapsed time (mins): 50.0
 50% effective depth (m): 0.53 Elapsed time (mins): #N/A
 25% effective depth (m): 0.72
 Empty depth (m): 0.90

Volume outflow between 75% and 25% effective depth (m³):
 Mean surface area of outflow (m²): 1.26
 (side area at 50% effective depth + base area)
 Time for outflow between 75% and 25% effective depth (mins):

Soil infiltration rate (m/s): Test incomplete as 25% effective depth not achieved. Unable to reliably determine soil infiltration rate

Remarks

Notes:
 Results processed following BRE 365 (1991)
 Water depths measured below ground level

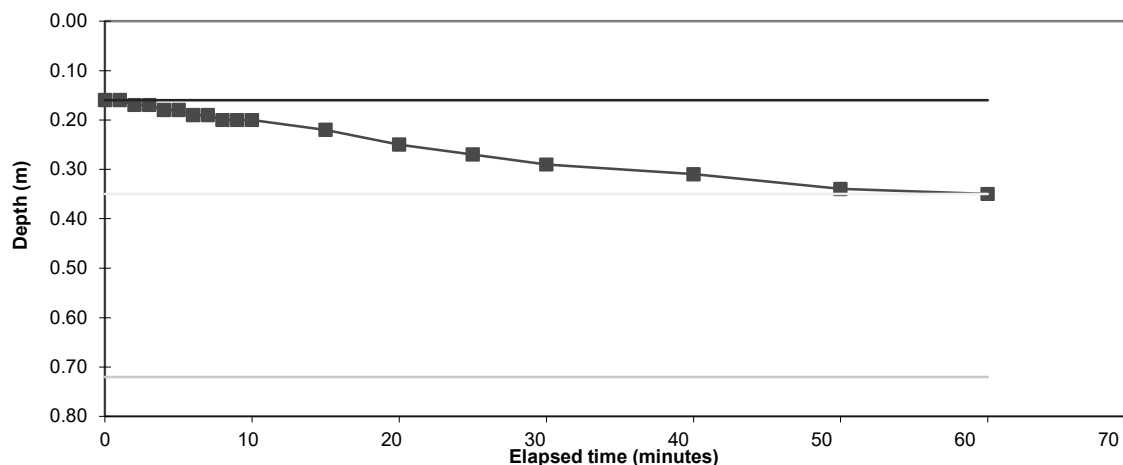
Project Blaendulais
 Project No. 22181
 Carried out for TRJ

Figure
SA03_2

Soakaway Test Results

Trial Pit No: SA03 Test No: 3 Date: 10.10.2023
 Length (m): 1.00
 Width (m): 0.30 Granular infill: NA
 Depth (m): 0.90 Porosity of infill: 1 (assumed)

Elapsed time (minutes)	Water Depth (metres)	Elapsed time (minutes)	Water Depth (metres)
0	0.16	30	0.29
1	0.16	40	0.31
2	0.17	50	0.34
3	0.17	60	0.35
4	0.18		
5	0.18		
6	0.19		
7	0.19		
8	0.20		
9	0.20		
10	0.20		
15	0.22		
20	0.25		
25	0.27		



Water depth at start of test (m): 0.16
 75% effective depth (m): 0.35 Elapsed time (mins): #N/A
 50% effective depth (m): 0.53
 25% effective depth (m): 0.72 Elapsed time (mins): #N/A
 Empty depth (m): 0.90

Volume outflow between 75% and 25% effective depth (m³):
 Mean surface area of outflow (m²): 1.26
 (side area at 50% effective depth + base area)
 Time for outflow between 75% and 25% effective depth (mins):

Soil infiltration rate (m/s): **Test incomplete as 25% effective depth not achieved. Unable to reliably determine soil infiltration rate**

Remarks

Notes:
 Results processed following BRE 365 (1991)
 Water depths measured below ground level

Project: Blaendulais
 Project No.: 22181
 Carried out for: TRJ

Figure
SA03_3

APPENDIX G

Permit Closure Summary Form



Permit Ref.	27301	Project / Site Location	NPT Childcare Unit, High Street, Blaendulais, SA10 9DN
-------------	-------	-------------------------	--

Please supply all relevant documents, including this completed form within 3 months of the permitted works being completed.

Where relevant the report should include; borehole logs and details of mine or mine entry treatment works carried out (incl. engineering drawings, grout takes etc.) and a scaled site layout plan (correlated to O.S N' Grid) showing all relevant mine entry positions, coal seams, voids and broken ground proved by the works.

Summary of works Start date 29/9/23 Finish date 30/9/23

Have any variations occurred? ☒ No ☐ Yes **If so was the Authority notified?** ☐ No ☐ Yes

Please describe;

Did if any of the following incidents occur?

- ☐ Spontaneous combustion ☐ Water emission ☐ Gas emission (elevated or above action levels)
☐ Geotechnical instability ☐ Legal issues incl. damage or potential claims ☒ None

If yes, please detail each item;

Were any of the following encountered? Please give a brief summary of the works undertaken.

- ☒ Intact coal only ☐ Broken ground ☐ Backfilled ground ☐ Voids

Description;

As anticipated this coal (200m/300m) was noted beneath 22m depth. No loss of floor / no collapsed ground

Will further works be necessary that require a Permit? ☒ No ☐ Yes

If yes, please describe, including any recommendations;

Name: R. GRIFFITH	Email: rob.griffith@spectrumgeo.co.uk
Company: SPECTRUM GEO SERVICES LTD	Tel: 01656 723666