

Project Details

Project Name Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU
 Location Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU
 Project No. GE18621
 Client Dandara Homes
 Date 13/02/2020
 Weather Grey skies, very windy, dry, wet underfoot.
 Monitoring Visit No. 9

Engineer

 Levent Dogan

Equipment Used
☐ GFM 430
☒ GA2000
☐ Tiger 1
☐ Tiger 2
☒ Dipmeter

H2S and CO Readings
 Required ☐ Yes

Stability Parameters for Water
 Sampling Required (DO, pH,
 Temp, Cond) ☐ Yes
☐ No

Monitoring Results

Results

Project No. Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU
 Exploratory Hole WS01
 Atmospheric Pressure (mb) 994
 Peak Flow (l/hr) 0.3
 Steady Flow (l/hr) 0.0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	21.2
10	0.1	1.1	20.4
20	0.1	3.6	10.1
30	0.1	3.6	8.5
60	0.1	3.6	7.8
90	0.1	3.6	7.7

120	0.1	3.6	7.7
180	0.1	3.6	7.7

Water Level (mbgl) 2.00

Standpipe depth (m) 4.80

Project No. Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU

Exploratory Hole WS02

Atmospheric Pressure (mb) 996

Peak Flow (l/hr) 0.0

Steady Flow (l/hr) 0.0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.9
10	0.1	0.6	20.5
20	0.1	1.6	14.6
30	0.1	1.6	11.8
60	0.1	1.6	11.1
90	0.1	1.6	11.1
120	0.1	1.6	11.1
180	0.1	1.6	11.1

Water Level (mbgl) 3.71

Standpipe depth (m) 4.48

Project No. Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU

Exploratory Hole WS04old

Atmospheric Pressure (mb) 997

Peak Flow (l/hr) 0.2

Steady Flow (l/hr) 0.2

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.7
10	0.1	0.4	20.6
20	0.1	2.5	14.2
30	0.1	2.5	12.1
60	0.1	2.5	11.5
90	0.1	2.5	11.5

120	0.1	2.5	11.5
180	0.1	2.5	11.8

Water Level (mbgl) 2.96

Standpipe depth (m) 2.97

Project No. Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU

Exploratory Hole WS05old

Atmospheric Pressure (mb) 996

Peak Flow (l/hr) 0.9

Steady Flow (l/hr) 0.3

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	21.0
10	0.1	0.1	20.1
20	0.1	3.1	17.0
30	0.1	3.4	10.0
60	0.1	3.3	8.1
90	0.1	3.2	8.1
120	0.1	3.2	8.0
180	0.1	3.2	8.0

Water Level (mbgl) 1.71

Standpipe depth (m) 4.55

Project No. Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU

Exploratory Hole WS06old

Atmospheric Pressure (mb) 0

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

Water Level (mbgl) n/a

Standpipe depth (m) 2.78

Remarks Water level is not representative as the surface water washed into the well as soon as flush fitted cover has been opened for the monitoring/recording.

Project No. Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU

Exploratory Hole WS09old

Atmospheric Pressure (mb) 993

Peak Flow (l/hr) 10.2

Steady Flow (l/hr) 0.0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.7
10	0.1	0.1	20.0
20	0.1	0.2	14.5
30	0.1	0.2	12.9
60	0.1	0.2	12.8
90	0.1	0.2	12.8
120	0.1	0.2	12.8
180	0.1	0.5	12.8

Water Level (mbgl) 2.21

Standpipe depth (m) 4.65

Project No. Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU

Exploratory Hole WS10old

Atmospheric Pressure (mb) 997

Peak Flow (l/hr) 16.8

Steady Flow (l/hr) 0.1

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.7
10	0.1	0.1	20.5
20	0.1	0.2	12.3
30	0.1	0.2	10.2
60	0.1	0.2	9.4
90	0.1	0.2	9.3
120	0.1	0.2	9.2
180	0.1	0.2	9.2

Water Level (mbgl) 1.65

Standpipe depth (m) 2.95

Project No. Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU

Exploratory Hole WS01old

Atmospheric Pressure (mb) 996

Peak Flow (l/hr) 0.0

Steady Flow (l/hr) 0.0

Gas Concentrations

Gas Monitoring Results

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	21.0
10	0.1	0.5	19.4
20	0.1	1.8	12.0
30	0.1	1.8	8.5
60	0.1	1.8	7.9
90	0.1	1.8	7.9
120	0.1	1.8	7.9
180	0.1	1.8	7.9

Water Level (mbgl) 2.95

Standpipe depth (m) 2.96