

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 16/01/2020
 Weather Overcast. Light rain.
 Monitoring Visit No. 6

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) 1013
 Peak Flow (l/hr) 0.1
 Steady Flow (l/hr) 0.0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	21.0
10	0.1	0.5	19.5
20	0.1	3.2	13.7
30	0.1	3.2	8.4
60	0.1	3.2	7.1
90	0.1	3.2	6.9

120	0.1	3.2	6.7
180	0.1	3.3	6.3

Water Level (mbgl) 2.53

Standpipe depth (m) 4.82

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

Exploratory Hole WS01old

Atmospheric Pressure (mb) 1013

Peak Flow (l/hr) 0.1

Steady Flow (l/hr) 0.1

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	21.4
10	0.1	0.1	21.4
20	0.1	4.6	18.8
30	0.1	4.6	11.2
60	0.1	4.7	8.3
90	0.1	4.7	7.6
120	0.1	4.7	7.6
180	0.1	4.7	7.6

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 WS02

Atmospheric Pressure (mb) 1012

Peak Flow (l/hr) 0.1

Steady Flow (l/hr) 0.1

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.4
10	0.1	0.1	19.3
20	0.1	1.8	13.8
30	0.1	1.8	12.9
60	0.1	1.8	12.3
90	0.1	1.8	12.2

120	0.1	1.8	12.2
180	0.1	1.8	12.2

Water Level (mbgl) 3.89

Standpipe depth (m) 4.45

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

Exploratory Hole WS04old

Atmospheric Pressure (mb) 1013

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	21.3
10	0.1	0	21.2
20	0.1	2.9	15.6
30	0.1	2.9	13.3
60	0.1	2.9	12.7
90	0.1	2.9	12.6
120	0.1	2.9	12.6
180	0.1	2.9	12.6

Water Level (mbgl) 2.95

Standpipe depth (m) 2.96

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

Exploratory Hole WS05old

Atmospheric Pressure (mb) 1013

Peak Flow (l/hr) 0.1

Steady Flow (l/hr) 0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	21.4
10	0.1	1.5	17.2
20	0.1	3.8	11.5
30	0.1	4.1	7.5
60	0.1	4.1	6.8
90	0.1	3.8	6.8
120	0.1	3.7	6.7

180	0.1	3.7	6.7
Water Level (mbgl)	2.11		
Standpipe depth (m)	4.53		
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)	0		
Standpipe depth (m)	0		
Remarks	Could not find well location.		
Project No.	Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU		
Exploratory Hole	WS09old		
Atmospheric Pressure (mb)	1013		
Peak Flow (l/hr)	0.1		
Steady Flow (l/hr)	0.1		
Gas Concentrations			
Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	19.9
10	0.1	0.1	19.5
20	0.1	0.5	15.4
30	0.1	0.5	11.9
60	0.1	0.5	11.5
90	0.1	0.5	11.2
120	0.1	0.5	11.1
180	0.1	0.5	10.9
Water Level (mbgl)	2.74		
Standpipe depth (m)	4.64		
Project No.	Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU		
Exploratory Hole	WS10old		
Atmospheric Pressure (mb)	1012		
Peak Flow (l/hr)	0.1		
Steady Flow (l/hr)	0.1		
Gas Concentrations			

Gas Monitoring Results

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	21.4
10	0.1	0.1	21.4
20	0.1	1.2	10.2
30	0.1	1.2	6.6
60	0.1	1.2	6.0
90	0.1	1.2	5.9
120	0.1	1.2	5.9
180	0.1	1.2	5.9

Water Level (mbgl) 2.55

Standpipe depth (m) 2.94