

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 07/02/2020
 Weather Overcast, dry, some wind. Chilly.
 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) 1019
 Peak Flow (l/hr) 0.1
 Steady Flow (l/hr) 0.1

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.8
10	0.1	0.6	19.6
20	0.1	3.6	10.5
30	0.1	3.6	7.2
60	0.1	3.6	6.7
90	0.1	3.7	6.6

120	0.1	3.7	6.6
180	0.1	3.7	6.6

Water Level (mbgl) 2.65

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) 1019

Peak Flow (l/hr) 0.0

Steady Flow (l/hr) 0.0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.8
10	0.1	0.6	20.5
20	0.1	1.3	17.8
30	0.1	1.3	16.7
60	0.1	1.3	16.6
90	0.1	1.3	16.7
120	0.1	1.3	16.7
180	0.1	1.3	16.7

Water Level (mbgl) 3.94

Standpipe depth (m) 4.46

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

Exploratory Hole WS01old?

Atmospheric Pressure (mb) 1020

Peak Flow (l/hr) 0.1

Steady Flow (l/hr) 0.1

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.6
10	0.1	1.7	19.9
20	0.1	4.0	11.2
30	0.1	4.0	7.0
60	0.1	4.0	6.9
90	0.1	4.0	6.9

120	0.1	4.0	6.9
180	0.1	4.0	6.9

Water Level (mbgl) 2.94

Standpipe depth (m) 2.95

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

Exploratory Hole WS04old

Atmospheric Pressure (mb) 1021

Peak Flow (l/hr) 0.1

Steady Flow (l/hr) 0.0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.9
10	0.1	0.2	20.9
20	0.1	3.2	16.5
30	0.1	3.3	12.3
60	0.1	3.3	11.2
90	0.1	3.3	11.1
120	0.1	3.3	11.1
180	0.1	3.3	11.1

Water Level (mbgl) 2.97

Standpipe depth (m) 2.98

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

Exploratory Hole WS05old

Atmospheric Pressure (mb) 1019

Peak Flow (l/hr) 0.1

Steady Flow (l/hr) 0.1

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	21.0
10	0.1	0.8	20.9
20	0.1	0.8	20.3
30	0.1	0.8	20.2
60	0.1	0.8	20.1
90	0.1	0.9	20.0
120	0.1	0.9	19.9

180	0.1	0.9	19.9
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Water Level (mbgl) 2.65

Standpipe depth (m) 4.58

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

Exploratory Hole WS06old

Atmospheric Pressure (mb) 1019

Peak Flow (l/hr) 0.2

Steady Flow (l/hr) 0.1

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.9
10	0.1	0.2	20.7
20	0.1	1.0	17.2
30	0.1	1.0	15.7
60	0.1	1.0	15.2
90	0.1	1.0	15.2
120	0.1	1.0	15.2
180	0.1	1.0	15.2

Water Level (mbgl) 1.60

Standpipe depth (m) 2.78

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

Exploratory Hole WS09old

Atmospheric Pressure (mb) 1019

Peak Flow (l/hr) 0.1

Steady Flow (l/hr) 0.1

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.9
10	0.1	0.7	19.1
20	0.1	1.7	13.0
30	0.1	1.8	9.5
60	0.1	1.8	8.5
90	0.1	1.8	8.4
120	0.1	1.8	8.3

180	0.1	1.8	8.3
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Water Level (mbgl) 2.87

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) 1019

Peak Flow (l/hr) 0.2

Steady Flow (l/hr) 0.1

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	21.0
10	0.1	0.3	20.9
20	0.1	1.7	13.7
30	0.1	1.7	10.3
60	0.1	1.7	9.3
90	0.1	1.7	9.2
120	0.1	1.7	9.2
180	0.1	1.7	9.2

Water Level (mbgl) 2.77

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) 1019

Peak Flow (l/hr) 0.1

Steady Flow (l/hr) 0.1

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0	0	20.7
10	0.1	0.5	20.3
20	0.1	1.4	18.8
30	0.1	2.8	15.9
60	0.1	4.2	7.4
90	0.1	4.5	5.9
120	0.1	4.5	5.8
180	0.1	4.6	5.8

Gas Monitoring Results

Water Level (mbgl)	3.42
Standpipe depth (m)	4.95