

Project Details

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 06/12/2019

Weather Drizzle, cloudy, windy

Monitoring Visit No. 3

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

Geo-Environmental's Project Manager

 Levent Dogan

Monitoring Results

Results

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

Exploratory Hole WS01

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 1009

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

VOC (ppm) 0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0.1	0.1	20.9
10	0.1	1.9	18.6
20	0.1	1.9	18.6
30	0.1	1.9	18.6

60	0.1	1.9	18.6
90	0.1	1.9	18.6
120	0.1	1.9	18.6
180	0.1	1.9	18.6

Water Level (mbgl) 3.03

Standpipe depth (m) 4.85

Remarks

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

Exploratory Hole WS01old

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 1009

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

VOC (ppm) 8

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0.1	0.1	20.9
10	0.1	4.4	12.5
20	0.1	4.4	12
30	0.1	4.4	12
60	0.1	3.8	13.6
90	0.1	3.8	13.7
120	0.1	3.8	13.7
180	0.1	3.8	13.7

Water Level (mbgl) Dry

Standpipe depth (m) 2.97

Remarks

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

Exploratory Hole WS02

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 1009

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

VOC (ppm) 0

Gas Concentrations

<i>Time (s)</i>	<i>Methane (%)</i>	<i>Carbon dioxide (%)</i>	<i>Oxygen (%)</i>
0	0.1	0.1	20.9
10	0.1	1.3	19.4
20	0.1	1.3	19.3
30	0.1	1.3	19.3
60	0.1	1.3	19.3
90	0.1	1.3	19.3
120	0.1	1.3	19.3
180	0.1	1.3	19.3

Water Level (mbgl) 4.22

Standpipe depth (m) 4.45

Remarks

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

Exploratory Hole WS04old

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 1009

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

VOC (ppm) 0

Gas Concentrations

<i>Time (s)</i>	<i>Methane (%)</i>	<i>Carbon dioxide (%)</i>	<i>Oxygen (%)</i>
0	0.1	0.1	20.9
10	0.1	4	15.1
20	0.1	4	14.6
30	0.1	4	14.4
60	0.1	4	14.4
90	0.1	4	14.3
120	0.1	4	14.3
180	0.1	4	14.3

Water Level (mbgl) Dry

Standpipe depth (m) 2.95

Remarks

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

Exploratory Hole WS05old

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 1009

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

VOC (ppm) 0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0.1	0.1	20.9
10	0.1	3.1	15.2
20	0.1	3.1	15.2
30	0.1	3.1	15.2
60	0.1	3.1	15.1
90	0.1	3.1	15.1
120	0.1	3.1	15.1
180	0.1	3.1	15.1

Water Level (mbgl) 3.31

Standpipe depth (m) 5.65

Remarks

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

Exploratory Hole WS06old

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 1009

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

VOC (ppm) 0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0.1	0.1	20.9
10	0.1	2.7	13.5
20	0.1	2.7	13.1
30	0.1	2.7	13
60	0.1	2.7	12.9
90	0.1	2.7	12.9
120	0.1	2.7	12.9
180	0.1	2.7	12.9

Water Level (mbgl)	2		
Standpipe depth (m)	2.73		
Remarks			
Project No.	Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU		
Exploratory Hole	WS09old		
Type of Monitoring	Gas & Water Level		
Atmospheric Pressure (mb)	1009		
Peak Flow (l/hr)	0.1		
Steady Flow (l/hr)	0.1		
VOC (ppm)	0		
Gas Concentrations			
Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0.1	0.1	20.9
10	0.1	2	14.5
20	0.1	2	14.3
30	0.1	2.1	14
60	0.1	2.1	14
90	0.1	2.1	14
120	0.1	2.1	13.8
180	0.1	2.1	13.8

Water Level (mbgl)	3.24		
Standpipe depth (m)	4.65		
Remarks			
Project No.	Land at Stakers Farm, North End Road, Yapton, Arundel, West Sussex, BN18 0DU		
Exploratory Hole	WS10old		
Type of Monitoring	Gas & Water Level		
Atmospheric Pressure (mb)	1009		
Peak Flow (l/hr)	0		
Steady Flow (l/hr)	0		
VOC (ppm)	0		
Gas Concentrations			
Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)
0	0.1	0.1	11.4
10	0.1	2.8	10
20	0.1	2.8	9.9

30	0.1	2.8	9.7
60	0.1	2.8	9.7
90	0.1	2.8	9.7
120	0.1	2.8	9.7
180	0.1	2.8	9.7

Water Level (mbgl) Dry

Standpipe depth (m) 2.95

Remarks