

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	16/12/2019
Weather	Overcast, still
Monitoring Visit No.	4
Engineer	 Levent Dogan
Equipment Used	☐ GFM 4 ☒ GA2000 ☐ Tiger 1 ☐ Tiger 2 ☒ Dipmeter
Stability Parameters for Water Sampling Required (DO, pH, Temp, Cond)	☐ Yes ☐ No

Monitoring Results

Results

Exploratory Hole	WS04old												
Atmospheric Pressure (mb)	1003												
Steady Flow (l/hr)	0												
Gas Concentrations													
Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)	CH4 GSV/Qhgs	CO2 GSV/Qhgs	CH4 (BS8485 & C665)	CO2 (BS8485 & C665)	CS Lim Value Check	CS Conc. Check	CH4 GSV (NHBC)	CH4 Conc. (NHBC)	CO2 GSV (NHBC)	CO2 Conc. (NHBC)
0	0	0	21	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green

Gas Monitoring Results

10	0	3.7	16.5	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
20	0	3.8	15.3	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
30	0	3.8	14.8	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
60	0	3.8	14.7	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
90	0	3.8	14.7	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
120	0	3.8	14.7	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
180	0	3.8	14.7	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green

Water Level (mbgl)

Dry

Exploratory Hole

WS02

Atmospheric Pressure (mb)

1003

Steady Flow (l/hr)

0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)	CH4 GSV/Qhgs	CO2 GSV/Qhgs	CH4 (BS3485 & C665)	CO2 (BS3485 & C665)	CS Lim. Value Check	CS Conc. Check	CH4 GSV (NHBC)	CH4 Conc (NHBC)	CO2 GSV (NHBC)	CO2 Conc. (NHBC)
0	0	0	21	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
10	0	1.9	16.7	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
20	0	1.9	16.6	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
30	0	1.9	16.5	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
60	0	1.9	16.5	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
90	0	1.9	16.4	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
120	0	1.9	16.4	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
180	0	1.9	16.4	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green

Water Level (mbgl)

3.9

Exploratory Hole

WS06old

Atmospheric Pressure (mb)

1003

Steady Flow (l/hr)

0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)	CH4 GSV/Qhgs	CO2 GSV/Qhgs	CH4 (BS8485 & C665)	CO2 (BS8485 & C665)	CS Lim. Value Check	CS Conc. Check	CH4 GSV (NHBC)	CH4 Conc. (NHBC)	CO2 GSV (NHBC)	CO2 Conc. (NHBC)
0	0	0	21	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
10	0	1	13.8	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
20	0	1	13.4	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
30	0	1	13.2	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
60	0	1	13.1	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
90	0	1	13.1	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
120	0	1	13.1	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
180	0	1	13.1	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green

Water Level (mbgl)

1.55

Exploratory Hole

WS01

Atmospheric Pressure (mb)

1003

Steady Flow (l/hr)

0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)	CH4 GSV/Qhgs	CO2 GSV/Qhgs	CH4 (BS8485 & C665)	CO2 (BS8485 & C665)	CS Lim. Value Check	CS Conc. Check	CH4 GSV (NHBC)	CH4 Conc. (NHBC)	CO2 GSV (NHBC)	CO2 Conc. (NHBC)
0	0	0	21	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
10	0	2.3	16.7	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
20	0	2.3	16	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
30	0	2.3	15.7	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
60	0	2.3	15.5	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
90	0	2.3	15.5	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
120	0	2.3	15	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green

Gas Monitoring Results

180	0	2.3	15	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
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Water Level (mbgl) 2.6

Exploratory Hole WS09old

Atmospheric Pressure (mb) 1003

Steady Flow (l/hr) 0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)	CH4 GSV/Qhgs	CO2 GSV/Qhgs	CH4 (BS8485 & C665)	CO2 (BS8485 & C665)	CS Lim Value Check	CS Conc Check	CH4 GSV (NHBC)	CH4 Conc (NHBC)	CO2 GSV (NHBC)	CO2 Conc (NHBC)
0	0	0	21	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
10	0	0.9	16.6	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
20	0	0.9	16.6	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
30	0	0.9	16.6	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
60	0	0.9	16.6	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
90	0	0.9	16.6	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
120	0	0.9	16.6	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
180	0	0.9	16.9	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green

Water Level (mbgl) 2.8

Exploratory Hole WS10old

Atmospheric Pressure (mb) 1003

Steady Flow (l/hr) 0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)	CH4 GSV/Qhgs	CO2 GSV/Qhgs	CH4 (BS8485 & C665)	CO2 (BS8485 & C665)	CS Lim Value Check	CS Conc Check	CH4 GSV (NHBC)	CH4 Conc (NHBC)	CO2 GSV (NHBC)	CO2 Conc (NHBC)
0	0	0	21	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
10	0	1.9	11	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green

Gas Monitoring Results

20	0	1.9	10.8	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
30	0	1.9	10.8	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
60	0	1.9	10.5	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
90	0	1.9	10.5	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
120	0	1.9	10.2	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
180	0	1.9	10.2	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green

Water Level (mbgl)

2.85

Exploratory Hole

WS01old

Atmospheric Pressure (mb)

1003

Steady Flow (l/hr)

0

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)	CH4 GSV/Qhgs	CO2 GSV/Qhgs	CH4 (BS8485 & C665)	CO2 (BS8485 & C665)	CS Lim. Value Check	CS Conc. Check	CH4 GSV (NHBC)	CH4 Conc. (NHBC)	CO2 GSV (NHBC)	CO2 Conc. (NHBC)
0	0	0	21	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
10	0	4.4	11.4	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
20	0	4.4	11.3	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
30	0	4.4	11.3	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
60	0	4.4	11.3	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
90	0	4.4	11.3	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
120	0	4.4	11.3	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
180	0	4.4	11.3	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green

Water Level (mbgl)

Dry

Exploratory Hole

WS05old

Atmospheric Pressure (mb)

1003

Steady Flow (l/hr)

0

Gas Monitoring Results

Gas Concentrations

Time (s)	Methane (%)	Carbon dioxide (%)	Oxygen (%)	CH4 GSV/Qhgs	CO2 GSV/Qhgs	CH4 (BS8485 & C665)	CO2 (BS8485 & C665)	CS Lim Value Check	CS Conc. Check	CH4 GSV (NHBC)	CH4 Conc (NHBC)	CO2 GSV (NHBC)	CO2 Conc. (NHBC)
0	0	0	21	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
10	0.2	3.3	15.1	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
20	0	3.4	14.2	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
30	0	3.4	14	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
60	0	3.4	13.9	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
90	0	3.4	13.9	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
120	0	3.4	13.8	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green
180	0	3.4	13.8	0.0	0.0	CS1	CS1	Pass	Pass	Green	Green	Green	Green

Water Level (mbgl)

2.85