

**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