

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

12/03/2020

Weather

Patchy, strong wind

Monitoring Visit No.

10

Engineer

Levent Dogan

Equipment Used

☒ CO

☐ CO

☐ 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          | WS04old                                                                      |                    |            |
| Type of Monitoring        | Gas & Water Level                                                            |                    |            |
| Atmospheric Pressure (mb) | 1015                                                                         |                    |            |
| Peak Flow (l/hr)          | 0                                                                            |                    |            |
| Steady Flow (l/hr)        | 0                                                                            |                    |            |
| VOC (ppm)                 |                                                                              |                    |            |
| Gas Concentrations        |                                                                              |                    |            |
| Time (s)                  | Methane (%)                                                                  | Carbon dioxide (%) | Oxygen (%) |
| 0                         | 0                                                                            | 0                  | 20         |
| 10                        | 0                                                                            | 3.3                | 11.3       |
| 20                        | 0                                                                            | 3.4                | 9.1        |
| 30                        | 0                                                                            | 3.4                | 9.1        |

|     |   |     |     |
|-----|---|-----|-----|
| 60  | 0 | 3.4 | 8.6 |
| 90  | 0 | 3.4 | 8.6 |
| 120 | 0 | 3.4 | 8.5 |
| 180 | 0 | 3.4 | 8.5 |

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 WS02

Type of Monitoring Gas & Water Level

Atmospheric Pressure (mb) 1015

Peak Flow (l/hr) 0.3

Steady Flow (l/hr) 0

VOC (ppm)

Gas Concentrations

| Time (s) | Methane (%) | Carbon dioxide (%) | Oxygen (%) |
|----------|-------------|--------------------|------------|
| 0        | 0           | 0                  | 20         |
| 10       | 0           | 0.9                | 20.2       |
| 20       | 0           | 0.9                | 20.2       |
| 30       | 0           | 0.9                | 20.2       |
| 60       | 0           | 0.9                | 20.2       |
| 90       | 0           | 0.9                | 20.2       |
| 120      | 0           | 0.9                | 20.3       |
| 180      | 0           | 0.9                | 20.3       |

Water Level (mbgl) 3.1

Standpipe depth (m) 4.44

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) 1015

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

VOC (ppm)

Gas Concentrations

| Time (s) | Methane (%) | Carbon dioxide (%) | Oxygen (%) |
|----------|-------------|--------------------|------------|
| 0        | 0           | 0                  | 20         |
| 10       | 0           | 3.5                | 6.6        |
| 20       | 0           | 3.5                | 6.6        |
| 30       | 0           | 3.5                | 4.9        |
| 60       | 0           | 3.5                | 4.9        |
| 90       | 0           | 3.5                | 4.9        |
| 120      | 0           | 3.5                | 4.9        |
| 180      | 0           | 3.5                | 4.9        |

Water Level (mbgl) 2.48

Standpipe depth (m) 2.9

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) 1015

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

VOC (ppm)

Gas Concentrations

| Time (s) | Methane (%) | Carbon dioxide (%) | Oxygen (%) |
|----------|-------------|--------------------|------------|
| 0        | 0           | 0                  | 20         |
| 10       | 0           | 3.6                | 13.3       |
| 20       | 0           | 3.6                | 10.7       |
| 30       | 0           | 3.6                | 10.2       |
| 60       | 0           | 3.6                | 10.1       |
| 90       | 0           | 3.6                | 10.1       |
| 120      | 0           | 3.6                | 10.1       |
| 180      | 0           | 3.6                | 10.1       |

Water Level (mbgl) 1.97

Standpipe depth (m) 5.75

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) 1015

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

VOC (ppm)

Gas Concentrations

| Time (s) | Methane (%) | Carbon dioxide (%) | Oxygen (%) |
|----------|-------------|--------------------|------------|
| 0        | 0           | 0                  | 20         |
| 10       | 0           | 0                  | 20         |
| 20       | 0           | 0                  | 20.8       |
| 30       | 0           | 0                  | 20.8       |
| 60       | 0           | 0                  | 20.8       |
| 90       | 0           | 0                  | 20.8       |
| 120      | 0           | 0                  | 20.8       |
| 180      | 0           | 0                  | 20.8       |

Water Level (mbgl) 0.63

Standpipe depth (m) 2.75

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) 1015

Peak Flow (l/hr) 0

Steady Flow (l/hr) 0

VOC (ppm)

Gas Concentrations

| Time (s) | Methane (%) | Carbon dioxide (%) | Oxygen (%) |
|----------|-------------|--------------------|------------|
| 0        | 0           | 0                  | 20         |
| 10       | 0           | 2.4                | 15.3       |
| 20       | 0           | 2.5                | 15         |
| 30       | 0           | 2.5                | 14.8       |
| 60       | 0           | 2.5                | 14.8       |
| 90       | 0           | 2.5                | 14.8       |
| 120      | 0           | 2.5                | 14.8       |
| 180      | 0           | 2.5                | 14.8       |

Water Level (mbgl) 2.04

Standpipe depth (m) 2.95

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) 1015

Peak Flow (l/hr) 0.3

Steady Flow (l/hr) 0

VOC (ppm)

Gas Concentrations

| Time (s) | Methane (%) | Carbon dioxide (%) | Oxygen (%) |
|----------|-------------|--------------------|------------|
| 0        | 0           | 0                  | 20         |
| 10       | 0           | 1.4                | 17.4       |
| 20       | 0           | 1.5                | 17.4       |
| 30       | 0           | 1.5                | 17.4       |
| 60       | 0           | 1.5                | 17.4       |
| 90       | 0           | 1.5                | 17.4       |
| 120      | 0           | 1.5                | 17.4       |
| 180      | 0           | 1.5                | 17.4       |

Water Level (mbgl) 2.11

Standpipe depth (m) 4.63

Remarks

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) 1015

Peak Flow (l/hr) 0.3

Steady Flow (l/hr) 0

VOC (ppm)

Gas Concentrations

| Time (s) | Methane (%) | Carbon dioxide (%) | Oxygen (%) |
|----------|-------------|--------------------|------------|
| 0        | 0           | 0                  | 20         |
| 10       | 0           | 4.9                | 2.8        |
| 20       | 0           | 4.9                | 1.7        |

|     |   |     |     |
|-----|---|-----|-----|
| 30  | 0 | 4.9 | 1.2 |
| 60  | 0 | 4.9 | 1.2 |
| 90  | 0 | 4.9 | 1.2 |
| 120 | 0 | 5   | 0.9 |
| 180 | 0 | 5   | 0.9 |

Water Level (mbgl) 1.93

Standpipe depth (m) 4.8

Remarks Refound after previous visit.

Photograph(s)

(1 record)

| Photograph                                                                         | Description                                       |
|------------------------------------------------------------------------------------|---------------------------------------------------|
|  | <p>Refound as a result of less surface water.</p> |