

2nd July 2024

Our ref: GE22017 - LRv1AP240702

Lorea Johnson
Wates Developments Limited
Wates House
Station Approach
Leatherhead
KT22 7SW



By Email Only

Dear Lorea,

RE: SHOREHAM ROAD, SMALL DOLE, WEST SUSSEX - GROUND GAS ASSESSMENT & WINTER GROUNDWATER MONITORING

Introduction

Geo-Environmental Services Limited (Geo-Environmental) was employed by Wates Developments Limited to undertake and initial site investigation and install dual purpose ground gas and groundwater monitoring wells on the site in November 2023. A Ground Investigation referenced (GE22017-GARv1JK231220) by Geo-Environmental was reported in December 2023.

It was understood that the development would comprise residential properties, private and communal gardens and associated infrastructure.

This letter report details the findings of the ground gas and groundwater level monitoring carried out on the site between November 2023 and April 2024.

The PRA and CSM developed from the information gathered as part of the desk study process have identified several plausible pollutant linkages that exist in relation to the proposed redevelopment of the site. However, the preliminary risk rating for each linkage has been classified as very low, low or moderate / low. It was stated if any organic rich Made Ground was encountered as part of the investigation, then this may represent a viable source of ground gases/vapours. It should be noted that no Made Ground, organic matter or inclusions, or organoleptic evidence of contamination was encountered during the intrusive investigation carried out in November 2023. This aside, ground gas monitoring was undertaken on site at the same time as proposed winter groundwater level monitoring and was not based on any specific potential ground gas risk posed to the site.

Investigation

Dual purpose ground gas and groundwater monitoring wells were installed within six boreholes (WS01 to WS06) on site to depths of between 2.00m and 4.00m below ground level (bgl) in November 2023. Groundwater levels were monitored during twelve visits undertaken between November 2023 and April 2024. Ground gas readings were also undertaken during the first six of the visits.

The response zones for the monitoring wells are summarised in Table 1.

Geo-Environmental Services Ltd
Unit 7, Danworth Farm, Cuckfield Road, Hurstpierpoint, West Sussex, BN6 9GL
T: 01273 832 972 E: mail@gesl.net W: www.gesl.net

Environmental Consultants | Geotechnical Engineers | Site Investigations

Geo-Environmental Services Ltd incorporated in England number 3214980 VAT number 679544479

Position	Pipe Diameter (mm)	Response Zone (m bgl)	Base of Pipe (m bgl/m OD)
WS01	35	1.00 – 2.00	2.00 / 8.13
WS02	35	1.00 – 2.50	2.50 / 7.44
WS03	35	1.00 – 4.00	4.00 / 7.06
WS04	35	1.00 – 4.00	4.00 / 11.65
WS05	35	1.00 – 2.50	2.50 / 12.36
WS06	35	1.00 – 4.00	4.00 / 11.20

Table 1: Monitoring Well Response Zones

Ground Gas

The six positions were monitored for methane, carbon dioxide, oxygen, volatile organic compounds (VOC) and borehole gas flow, during high and falling atmospheric pressures on nine occasions between November 2023 and April 2024.

Recommendations on acceptable gas levels recorded in the ground beneath or adjacent to buildings are given in a variety of publications. For the purpose of this assessment, the results have been evaluated in terms of British Standard BS8485+A1 entitled '*Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings* (2019) and NHBC report 10627-R01(04) entitled '*Guidance on evaluation of development proposals where methane and carbon dioxide are present*' (2007).

It should be noted that the two publications referenced above give different thresholds for the requirements for ground gas protection measures for carbon dioxide. The use of the 'traffic light' classification given in the NHBC report 10627-R01(04) is only appropriate for residential buildings, where the proposed buildings have a floor plan of c.8.00m x 8.00m, giving a floor area of c.64m², a minimum clear void of 150mm, and a complete volume change of the sub-floor void every 24hrs. Where the proposed structures do not conform to these criteria, as is the case for the proposed development, the classification system given in BS8485 (Table 2) should be used.

CS	Hazard potential	Site characteristic GSV ^{A)} L/h	Additional factors
CS1	Very low	<0.07	Typically <1% methane concentration and <5% carbon dioxide concentration (otherwise consider an increase to CS2)
CS2	Low	0.07 to <0.7	Typical measured flow rate <70 L/h (otherwise consider an increase to CS3)
CS3	Moderate	0.7 to <3.5	–
CS4	Moderate to high	3.5 to <15	–
CS5	High	15 to <70	–
CS6	Very high	>70	–

^{A)} The figures used in this column are empirical.

NOTE The CS is equivalent to the characteristic GSV in CIRIA C665 [6].

Table 2: Characteristic Gas Situation (CS) by Site Characteristic Gas Screening Value (GSV) – BS8485 (2019)

In line with best practice, it should be noted that any results from standpipes which contained fully saturated response zones have been ignored as the readings are not reliable nor likely to be representative of the ground gas regime.

During the monitoring period, methane was recorded within the range of 0.0% v/v to 0.4% v/v, whilst carbon dioxide and oxygen have been recorded within the ranges of 0.0% v/v to 7.3% v/v and 4.1% v/v to 21.9% v/v respectively. Atmospheric pressures were recorded between 989mb and 1033mb during the nine monitoring visits. Negligible VOC concentrations of between 0.0ppm and 0.3ppm were recorded. A maximum positive borehole flow of 0.3 l/hr were recorded during the nine ground gas monitoring visits.

The Site Characteristic Gas Screening Value (GSV) is calculated by multiplying the highest flow rate concentration from the entire monitoring dataset, by the highest gas concentration from the entire monitoring dataset and dividing the result by 100.

The maximum borehole flow rate was recorded during the monitoring of (0.3l/hr) has been utilised for the calculation. The GSV calculations for carbon dioxide and methane are presented in Table 3.

Ground Gas	Highest Recorded Concentration (% v/v)	Maximum Potential Flow Rate (l/hr)	Calculation	Site Characteristic Gas Screening Value (GSV)
Carbon Dioxide	7.3	0.3	$\frac{7.3 \times 0.3}{100}$	0.0219
Methane	0.4		$\frac{0.4 \times 0.3}{100}$	0.0012

Table 3: Site Characteristic Gas Screening Value Calculations

Based on the above assessment alone, the site would be deemed as representative of Characteristic Situation 1 (BS and CIRIA). However, carbon dioxide was recorded within monitoring location WS06, marginally exceeding the 5% limiting concentration for Characteristic Situation 1 on three of the nine monitoring visits.

Ground Gas Assessment

No viable sources of significant off-site or on-site ground gases and/or vapours were identified within a radius of 250m of the site boundary by the desk study.

Organic inclusions (beyond living rootlets within any Topsoil) were not recorded within any of the deposits encountered on site. As such, the risk of significant gas generation by the soils on site is considered to be negligible.

No plausible significant on-site source of carbon dioxide has been established by the desk study or intrusive investigation; therefore, it is considered that the carbon dioxide is being produced mainly via biological respiration within the soils beneath the site and as such forms a low-risk source.

No significantly elevated flow rates were recorded within any of the monitoring wells throughout the duration of the gas monitoring.

The construction of the monitoring wells could have led to the creation of initially aerobic, rapidly becoming anaerobic conditions within the monitoring wells leading to an increase in carbon dioxide on a very small scale, within the monitoring well void, not the soil mass, producing the elevated concentrations recorded. Therefore, it is not considered necessary to increase the classification of the site's gassing regime based on the mild exceedances of the >5% concentrations for carbon dioxide.

Based on all the lines of evidence presented above, it is considered in relation to the proposed development, that the site should be considered as Characteristic Situation 1 classification, with no requirement for gas protection measures.

Groundwater/Water Depth

The Lower Greensand identified beneath the site was classified as Principal Aquifer. During the investigation in November 2023 groundwater was encountered within TP01, TP02, TP03, TP06 and WS03 at depths of between 1.30m and 2.65m bgl, then standing at depths of between 1.90m and 2.62 bgl after five to seven minutes of completion of trial pits. No standing water was recorded within the boreholes.

Groundwater monitoring wells were installed to a depth of between 2.00m and 4.00m bgl within each of the dynamic sampler boreholes (WS01 to WS06). Water depths were recorded within the monitoring wells on twelve occasions between November 2023 and April 2024 as summarised in Table 3.

Location	Date	GWL (m bgl)	GWL (m AOD)*
WS01	17/11/2023	0.90	9.23
	24/11/2023	0.65	9.48
	13/12/2023	0.39	9.74
	21/12/2023	0.33	9.80
	05/01/2024	0.23	9.90
	19/01/2024	0.35	9.78
	01/02/2024	0.62	9.51
	16/02/2024	0.63	9.50
	01/03/2024	0.28	9.85
	02/04/2024	0.50	9.63
	12/04/2024	0.53	9.60
WS02	17/11/2023	0.56	9.38
	24/11/2023	0.11	9.83
	13/12/2023	0.10	9.84
	21/12/2023	0.09	9.85
	05/01/2024	0.08	9.86
	19/01/2024	0.24	9.70
	01/02/2024	0.57	9.37
	16/02/2024	-	-
	01/03/2024	-	-
	02/04/2024	0.26	9.68
	12/04/2024	0.03	9.91
WS03	17/11/2023	0.78	10.28
	24/11/2023	0.83	10.23
	13/12/2023	0.33	10.73
	21/12/2023	0.80	10.26
	05/01/2024	0.15	10.91
	19/01/2024	1.20	9.86
	01/02/2024	1.36	9.70
	16/02/2024	0.76	10.30

Location	Date	GWL (m bgl)	GWL (m AOD)*
	01/03/2024	0.30	10.76
	02/04/2024	1.26	9.80
	12/04/2024	1.25	9.81
WS04	17/11/2023	Dry	-
	24/11/2023	Dry	-
	13/12/2023	3.82	11.83
	21/12/2023	Dry	-
	05/01/2024	4.03	11.62
	19/01/2024	Dry	-
	01/02/2024	4.30	11.35
	16/02/2024	Dry	-
	01/03/2024	3.75	11.90
	02/04/2024	4.01	11.64
	12/04/2024	4.04	11.61
WS05	17/11/2023	0.97	13.89
	24/11/2023	2.37	12.49
	13/12/2023	Dry	-
	21/12/2023	Dry	-
	05/01/2024	2.49	12.37
	19/01/2024	Dry	-
	01/02/2024	Dry	-
	16/02/2024	2.52	12.34
	01/03/2024	2.45	12.41
	02/04/2024	Dry	-
	12/04/2024	Dry	-
WS06	17/11/2023	1.25	13.95
	24/11/2023	1.33	13.87
	13/12/2023	1.18	14.02
	21/12/2023	1.39	13.81
	05/01/2024	1.65	13.55
	19/01/2024	1.69	13.51
	01/02/2024	1.85	13.35
	16/02/2024	2.01	13.19
	01/03/2024	1.60	13.60
	02/04/2024	1.69	13.51
	12/04/2024	1.69	13.51

Table 3: Summary of Recorded Groundwater Depths within Monitoring Wells (WS01 to WS06)

It should be noted that changes in groundwater and perched water levels do occur for a number of reasons including seasonal effects and variations in drainage. Such fluctuations may only be recorded by the measurement of the groundwater level within a series of standpipes or piezometers installed within appropriate response zones.

We trust we have interpreted your instructions correctly. Should you have any queries please do not hesitate to contact us.

Yours sincerely

For and on Behalf of Geo-Environmental Services Ltd

A handwritten signature in black ink, appearing to read 'Anthony Potter', with a stylized flourish at the end.

ANTHONY POTTER BSc (Hons), MSc, FGS

Senior Consulting Engineer

Email: anthony.potter@gesl.net

Encs - Ground Gas Assessment
 - Standpipe Location Plan
 - Intrusive Investigation Logs

Project: Small Dole
Ref: GE22017
Client: Wates Developments Limited



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS01	17/11/23	0	0.0	0.1	21.2	0.0	0.7	1021	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	17/11/23	10	0.0	0.1	21.2	0.0	0.7	1021	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	17/11/23	20	0.0	0.1	21.1	0.0	0.7	1021	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	17/11/23	30	0.0	0.1	21.1	0.0	0.7	1021	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	17/11/23	60	0.0	0.1	21.1	0.0	0.7	1021	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	17/11/23	90	0.0	0.1	21.1	0.0	0.7	1021	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	17/11/23	120	0.0	0.1	21.1	0.0	0.7	1021	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	17/11/23	180	0.0	0.1	21.1	0.0	0.7	1021	0.90	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	17/11/23	0	0.0	0.1	21.1	0.0	0.2	1022	0.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	17/11/23	10	0.0	0.1	21.1	0.0	0.2	1022	0.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	17/11/23	20	0.0	0.1	21.1	0.0	0.2	1022	0.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	17/11/23	30	0.0	0.1	21.1	0.0	0.2	1022	0.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	17/11/23	60	0.0	0.1	21.2	0.0	0.2	1022	0.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	17/11/23	90	0.0	0.1	21.2	0.0	0.2	1022	0.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	17/11/23	120	0.0	0.1	21.2	0.0	0.2	1022	0.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	17/11/23	180	0.0	0.1	21.2	0.0	0.2	1022	0.56	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	17/11/23	0	0.0	0.0	21.2	0.0		1022	0.78	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	17/11/23	10	0.0	0.0	21.2	0.0		1022	0.78	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	17/11/23	20	0.0	0.0	21.2	0.0		1022	0.78	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	17/11/23	30	0.0	0.0	21.2	0.0		1022	0.78	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	17/11/23	60	0.0	0.0	21.2	0.0		1022	0.78	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	17/11/23	90	0.0	0.0	21.2	0.0		1022	0.78	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	17/11/23	120	0.0	0.0	21.2	0.0		1022	0.78	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	17/11/23	180	0.0	0.0	21.2	0.0		1022	0.78	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	17/11/23	0	0.0	0.0	21.3	0.0		1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	17/11/23	10	0.0	0.0	21.3	0.0		1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	17/11/23	20	0.0	0.0	21.3	0.0		1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	17/11/23	30	0.0	0.0	21.3	0.0		1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	17/11/23	60	0.0	0.0	21.3	0.0		1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	17/11/23	90	0.0	0.0	21.3	0.0		1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	17/11/23	120	0.0	0.0	21.3	0.0		1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	17/11/23	180	0.0	0.0	21.3	0.0		1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	17/11/23	0	0.0	0.0	21.4	0.0		1021	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	17/11/23	10	0.0	0.0	21.4	0.0		1021	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	17/11/23	20	0.0	0.0	21.5	0.0		1021	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	17/11/23	30	0.0	0.0	21.5	0.0		1021	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	17/11/23	60	0.0	0.0	21.5	0.0		1021	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	17/11/23	90	0.0	0.0	21.5	0.0		1021	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	17/11/23	120	0.0	0.0	21.5	0.0		1021	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	17/11/23	180	0.0	0.0	21.5	0.0		1021	0.97	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	17/11/23	0	0.0	0.0	21.6	0.0		1021	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	17/11/23	10	0.0	0.0	21.6	0.0		1021	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	17/11/23	20	0.0	0.0	21.6	0.0		1021	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	17/11/23	30	0.0	0.0	21.6	0.0		1021	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	17/11/23	60	0.0	0.0	21.6	0.0		1021	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Small Dole
Ref: GE22017
Client: Wates Developments Limited



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS06	17/11/23	90	0.0	0.0	21.6	0.0		1021	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	17/11/23	120	0.0	0.0	21.6	0.0		1021	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	17/11/23	180	0.0	0.0	21.6	0.0		1021	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/11/23	0	0.0	0.0	21.9	0.0	0.0	1020	0.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/11/23	10	0.0	3.8	21.7	0.0	0.0	1020	0.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/11/23	20	0.0	3.9	19.7	0.0	0.0	1020	0.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/11/23	30				0.0	0.0	1020	0.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/11/23	60				0.0	0.0	1020	0.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/11/23	90				0.0	0.0	1020	0.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/11/23	120				0.0	0.0	1020	0.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	24/11/23	180				0.0	0.0	1020	0.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/11/23	0	0.0	0.0	21.9	0.0	0.0	1020	0.11	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/11/23	10	0.1	3.6	21.1	0.0	0.0	1020	0.11	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/11/23	20				0.0	0.0	1020	0.11	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/11/23	30				0.0	0.0	1020	0.11	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/11/23	60				0.0	0.0	1020	0.11	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/11/23	90				0.0	0.0	1020	0.11	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/11/23	120				0.0	0.0	1020	0.11	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	24/11/23	180				0.0	0.0	1020	0.11	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/11/23	0	0.0	0.0	21.4	0.0	0.1	1020	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/11/23	10	0.0	3.3	20.9	0.0	0.1	1020	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/11/23	20	0.0	3.5	19.0	0.0	0.1	1020	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/11/23	30	0.0	3.7	18.8	0.0	0.1	1020	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/11/23	60				0.0	0.1	1020	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/11/23	90				0.0	0.1	1020	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/11/23	120				0.0	0.1	1020	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	24/11/23	180				0.0	0.1	1020	0.83	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/11/23	0	0.0	0.0	21.4	0.0	0.0	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/11/23	10	0.0	0.1	21.4	0.0	0.0	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/11/23	20	0.0	0.1	20.0	0.0	0.0	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/11/23	30	0.0	0.9	20.1	0.0	0.0	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/11/23	60	0.0	2.3	13.0	0.0	0.0	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/11/23	90	0.0	2.7	12.5	0.0	0.0	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/11/23	120	0.0	2.8	12.7	0.0	0.0	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	24/11/23	180	0.0	3.0	13.1	0.0	0.0	1019	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/11/23	0	0.0	0.0	21.7	0.0	0.0	1020	2.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/11/23	10	0.0	2.4	21.2	0.0	0.0	1020	2.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/11/23	20	0.0	2.5	17.6	0.0	0.0	1020	2.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/11/23	30	0.0	2.5	16.4	0.0	0.0	1020	2.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/11/23	60	0.0	2.5	16.3	0.0	0.0	1020	2.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/11/23	90	0.0	2.4	16.3	0.0	0.0	1020	2.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/11/23	120	0.0	2.3	16.5	0.0	0.0	1020	2.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	24/11/23	180	0.0	1.4	18.3	0.0	0.0	1020	2.37	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/11/23	0	0.0	0.0	21.9	0.0	0.2	1020	1.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/11/23	10	0.0	2.6	21.5	0.0	0.2	1020	1.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Small Dole
 Ref: GE22017
 Client: Wates Developments Limited



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS06	24/11/23	20	0.0	2.6	19.4	0.0	0.2	1020	1.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/11/23	30	0.1	2.6	19.0	0.0	0.2	1020	1.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/11/23	60	0.0	2.6	19.0	0.0	0.2	1020	1.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/11/23	90	0.0	2.6	19.1	0.0	0.2	1020	1.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/11/23	120	0.0	2.5	19.2	0.0	0.2	1020	1.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	24/11/23	180	0.0	2.2	19.4	0.0	0.2	1020	1.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/12/23	0	0.0	0.0	21.5	0.0	0.0	1004	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/12/23	10	0.0	5.7	19.2	0.0	0.0	1004	0.39	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS01	13/12/23	20	0.0	5.8	17.8	0.0	0.0	1004	0.39	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS01	13/12/23	30				0.0	0.0	1004	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/12/23	60				0.0	0.0	1004	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/12/23	90				0.0	0.0	1004	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/12/23	120				0.0	0.0	1004	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	13/12/23	180				0.0	0.0	1004	0.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	13/12/23	0	0.0	0.3	21.6	0.0	0.5	1004	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	13/12/23	10	0.0	0.3	21.0	0.0	0.5	1004	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	13/12/23	20				0.0	0.5	1004	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	13/12/23	30				0.0	0.5	1004	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	13/12/23	60				0.0	0.5	1004	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	13/12/23	90				0.0	0.5	1004	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	13/12/23	120				0.0	0.5	1004	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	13/12/23	180				0.0	0.5	1004	0.10	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	13/12/23	0	0.0	0.0	21.4	0.0	0.0	1005	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	13/12/23	10	0.0	3.7	22.1	0.0	0.0	1005	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	13/12/23	20	0.0	3.7	19.7	0.0	0.0	1005	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	13/12/23	30	0.0	3.7	19.4	0.0	0.0	1005	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	13/12/23	60				0.0	0.0	1005	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	13/12/23	90				0.0	0.0	1005	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	13/12/23	120				0.0	0.0	1005	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	13/12/23	180				0.0	0.0	1005	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	13/12/23	0				0.0			3.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	13/12/23	10				0.0			3.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	13/12/23	20				0.0			3.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	13/12/23	30				0.0			3.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	13/12/23	60				0.0			3.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	13/12/23	90				0.0			3.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	13/12/23	120				0.0			3.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	13/12/23	180				0.0			3.82	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	13/12/23	0				0.0			Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	13/12/23	10				0.0			Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	13/12/23	20				0.0			Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	13/12/23	30				0.0			Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	13/12/23	60				0.0			Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	13/12/23	90				0.0			Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	13/12/23	120				0.0			Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Small Dole
 Ref: GE22017
 Client: Wates Developments Limited



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS05	13/12/23	180				0.0			Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	13/12/23	0				0.0			1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	13/12/23	10				0.0			1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	13/12/23	20				0.0			1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	13/12/23	30				0.0			1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	13/12/23	60				0.0			1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	13/12/23	90				0.0			1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	13/12/23	120				0.0			1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	13/12/23	180				0.0			1.18	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/12/23	0	0.0	0.0	21.3	0.0		1008	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/12/23	10	0.1	5.4	21.2	0.0		1008	0.33	0.000	0.000	CS1	CS1	NO	NO	CO ₂ >CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS01	21/12/23	20	0.1	5.5	19.7	0.0		1008	0.33	0.000	0.000	CS1	CS1	NO	NO	CO ₂ >CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS01	21/12/23	30				0.0		1008	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/12/23	60				0.0		1008	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/12/23	90				0.0		1008	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/12/23	120				0.0		1008	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	21/12/23	180				0.0		1008	0.33	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/12/23	0	0.0	0.0	21.0	0.0	0.1	1007	0.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/12/23	10				0.0	0.1	1007	0.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/12/23	20				0.0	0.1	1007	0.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/12/23	30				0.0	0.1	1007	0.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/12/23	60				0.0	0.1	1007	0.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/12/23	90				0.0	0.1	1007	0.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/12/23	120				0.0	0.1	1007	0.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	21/12/23	180				0.0	0.1	1007	0.09	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/12/23	0	0.0	0.0	20.5	0.0	0.0	1007	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/12/23	10	0.1	0.6	20.6	0.0	0.0	1007	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/12/23	20	0.1	3.1	19.1	0.0	0.0	1007	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/12/23	30	0.1	3.5	17.6	0.0	0.0	1007	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/12/23	60				0.0	0.0	1007	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/12/23	90				0.0	0.0	1007	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/12/23	120				0.0	0.0	1007	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	21/12/23	180				0.0	0.0	1007	0.80	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/12/23	0	0.0	0.0	20.5	0.0	0.3	1007	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/12/23	10	0.1	3.9	17.8	0.0	0.3	1007	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/12/23	20	0.1	4.0	11.8	0.0	0.3	1007	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/12/23	30	0.1	4.0	10.5	0.0	0.3	1007	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/12/23	60	0.1	4.0	10.2	0.0	0.3	1007	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/12/23	90	0.1	3.9	10.3	0.0	0.3	1007	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/12/23	120	0.1	3.9	10.5	0.0	0.3	1007	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	21/12/23	180	0.1	3.9	10.7	0.0	0.3	1007	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/12/23	0	0.0	0.0	20.7	0.3	0.0	1007	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/12/23	10	0.1	4.1	19.9	0.3	0.0	1007	Dry	0.000	0.012	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/12/23	20	0.1	4.1	11.7	0.3	0.0	1007	Dry	0.000	0.012	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/12/23	30	0.1	4.1	9.9	0.3	0.0	1007	Dry	0.000	0.012	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Small Dole
Ref: GE22017
Client: Wates Developments Limited



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS05	21/12/23	60	0.1	4.1	9.2	0.3	0.0	1007	Dry	0.000	0.012	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/12/23	90	0.1	4.1	9.2	0.3	0.0	1007	Dry	0.000	0.012	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/12/23	120	0.1	4.1	9.2	0.3	0.0	1007	Dry	0.000	0.012	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	21/12/23	180	0.1	4.1	9.2	0.3	0.0	1007	Dry	0.000	0.012	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/12/23	0	0.0	0.0	21.1	0.0	0.1	1006	1.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/12/23	10	0.2	4.1	20.5	0.0	0.1	1006	1.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/12/23	20	0.2	4.1	16.6	0.0	0.1	1006	1.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/12/23	30	0.2	4.1	15.2	0.0	0.1	1006	1.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/12/23	60	0.2	4.2	14.7	0.0	0.1	1006	1.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/12/23	90	0.2	4.2	14.6	0.0	0.1	1006	1.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/12/23	120	0.2	4.2	14.6	0.0	0.1	1006	1.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	21/12/23	180	0.2	4.2	14.6	0.0	0.1	1006	1.39	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/01/24	0	0.0	0.0	21.5	0.0	0.0	1002	0.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/01/24	10	0.2	5.2	21.2	0.0	0.0	1002	0.23	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS01	05/01/24	20	0.2	5.3	19.6	0.0	0.0	1002	0.23	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS01	05/01/24	30				0.0	0.0	1002	0.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/01/24	60				0.0	0.0	1002	0.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/01/24	90				0.0	0.0	1002	0.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/01/24	120				0.0	0.0	1002	0.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	05/01/24	180				0.0	0.0	1002	0.23	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/01/24	0	0.0	0.0	21.5	0.0	0.0	1002	0.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/01/24	10				0.0	0.0	1002	0.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/01/24	20				0.0	0.0	1002	0.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/01/24	30				0.0	0.0	1002	0.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/01/24	60				0.0	0.0	1002	0.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/01/24	90				0.0	0.0	1002	0.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/01/24	120				0.0	0.0	1002	0.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	05/01/24	180				0.0	0.0	1002	0.08	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	05/01/24	0	0.0	0.0	21.5	0.0	0.0	1002	0.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	05/01/24	10	0.2	3.1	21.6	0.0	0.0	1002	0.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	05/01/24	20	0.2	3.1	21.0	0.0	0.0	1002	0.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	05/01/24	30				0.0	0.0	1002	0.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	05/01/24	60				0.0	0.0	1002	0.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	05/01/24	90				0.0	0.0	1002	0.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	05/01/24	120				0.0	0.0	1002	0.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	05/01/24	180				0.0	0.0	1002	0.15	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	05/01/24	0	0.0	0.0	21.4	0.0	0.0	1000	4.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	05/01/24	10	0.2	4.7	21.0	0.0	0.0	1000	4.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	05/01/24	20	0.2	4.8	16.0	0.0	0.0	1000	4.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	05/01/24	30	0.2	4.8	12.5	0.0	0.0	1000	4.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	05/01/24	60	0.2	4.8	11.0	0.0	0.0	1000	4.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	05/01/24	90	0.2	4.7	10.9	0.0	0.0	1000	4.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	05/01/24	120	0.2	4.6	11.1	0.0	0.0	1000	4.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	05/01/24	180	0.2	4.5	11.2	0.0	0.0	1000	4.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/01/24	0	0.0	0.0	21.5	0.0	0.0	1001	2.49	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Small Dole
 Ref: GE22017
 Client: Wates Developments Limited



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS05	05/01/24	10	0.2	0.5	21.5	0.0	0.0	1001	2.49	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/01/24	20	0.2	4.5	20.2	0.0	0.0	1001	2.49	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/01/24	30	0.2	4.6	9.5	0.0	0.0	1001	2.49	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/01/24	60	0.2	4.6	7.3	0.0	0.0	1001	2.49	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/01/24	90	0.2	4.6	7.2	0.0	0.0	1001	2.49	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/01/24	120	0.2	4.6	7.2	0.0	0.0	1001	2.49	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	05/01/24	180				0.0	0.0	1001	2.49	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/01/24	0	0.0	0.0	21.1	0.0	0.0	1001	1.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/01/24	10	0.2	5.1	21.1	0.0	0.0	1001	1.65	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	05/01/24	20	0.2	5.2	16.9	0.0	0.0	1001	1.65	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	05/01/24	30	0.2	5.2	14.0	0.0	0.0	1001	1.65	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	05/01/24	60	0.2	5.3	12.2	0.0	0.0	1001	1.65	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	05/01/24	90	0.2	5.2	12.0	0.0	0.0	1001	1.65	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	05/01/24	120				0.0	0.0	1001	1.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	05/01/24	180				0.0	0.0	1001	1.65	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/01/24	0	0.0	0.0	21.3	0.0	0.0	1022	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/01/24	10				0.0	0.0	1022	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/01/24	20				0.0	0.0	1022	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/01/24	30				0.0	0.0	1022	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/01/24	60				0.0	0.0	1022	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/01/24	90				0.0	0.0	1022	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/01/24	120				0.0	0.0	1022	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	19/01/24	180				0.0	0.0	1022	0.35	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/01/24	0	0.0	0.0	21.0	0.0	0.0	1023	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/01/24	10				0.0	0.0	1023	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/01/24	20				0.0	0.0	1023	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/01/24	30				0.0	0.0	1023	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/01/24	60				0.0	0.0	1023	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/01/24	90				0.0	0.0	1023	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/01/24	120				0.0	0.0	1023	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	19/01/24	180				0.0	0.0	1023	0.24	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/01/24	0	0.0	0.0	21.2	0.0	0.0	1022	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/01/24	10	0.0	0.2	21.0	0.0	0.0	1022	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/01/24	20	0.0	0.9	20.2	0.0	0.0	1022	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/01/24	30				0.0	0.0	1022	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/01/24	60				0.0	0.0	1022	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/01/24	90				0.0	0.0	1022	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/01/24	120				0.0	0.0	1022	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	19/01/24	180				0.0	0.0	1022	1.20	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/01/24	0	0.0	0.0	21.3	0.1	0.0	1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/01/24	10	0.0	0.0	21.2	0.1	0.0	1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/01/24	20	0.0	4.5	15.7	0.1	0.0	1022	Dry	0.000	0.005	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/01/24	30	0.0	4.5	12.3	0.1	0.0	1022	Dry	0.000	0.005	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/01/24	60	0.0	4.5	11.0	0.1	0.0	1022	Dry	0.000	0.005	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/01/24	90	0.0	4.5	11.0	0.1	0.0	1022	Dry	0.000	0.005	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Small Dole
Ref: GE22017
Client: Wates Developments Limited



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS04	19/01/24	120	0.0	4.5	11.0	0.1	0.0	1022	Dry	0.000	0.005	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	19/01/24	180	0.0	4.5	11.0	0.1	0.0	1022	Dry	0.000	0.005	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/01/24	0	0.0	0.0	21.5	0.0	0.0	1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/01/24	10	0.0	0.1	21.4	0.0	0.0	1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/01/24	20	0.3	4.3	14.7	0.0	0.0	1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/01/24	30	0.3	4.4	9.2	0.0	0.0	1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/01/24	60	0.3	4.4	7.4	0.0	0.0	1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/01/24	90	0.3	4.4	7.3	0.0	0.0	1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/01/24	120	0.3	4.4	7.3	0.0	0.0	1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	19/01/24	180	0.3	4.4	7.3	0.0	0.0	1022	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/01/24	0	0.0	0.0	21.7	0.0	0.0	1023	1.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/01/24	10	0.0	0.0	21.7	0.0	0.0	1023	1.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/01/24	20	0.0	0.0	21.7	0.0	0.0	1023	1.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/01/24	30	0.0	0.0	21.7	0.0	0.0	1023	1.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/01/24	60	0.0	0.0	21.7	0.0	0.0	1023	1.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/01/24	90	0.0	0.0	21.7	0.0	0.0	1023	1.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/01/24	120	0.0	0.0	21.7	0.0	0.0	1023	1.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	19/01/24	180	0.0	0.0	21.7	0.0	0.0	1023	1.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/02/24	0	0.2	0.2	21.6	0.0	0.4	1034	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/02/24	10	0.2	0.2	21.6	0.0	0.4	1034	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/02/24	20	0.2	1.3	21.4	0.0	0.4	1034	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/02/24	30				0.0	0.4	1034	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/02/24	60				0.0	0.4	1034	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/02/24	90				0.0	0.4	1034	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/02/24	120				0.0	0.4	1034	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/02/24	180				0.0	0.4	1034	0.62	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/02/24	0	0.2	0.2	21.7	0.0	0.0	1034	0.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/02/24	10	0.2	0.2	21.7	0.0	0.0	1034	0.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/02/24	20	0.2	1.1	21.6	0.0	0.0	1034	0.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/02/24	30	0.2	1.3	21.4	0.0	0.0	1034	0.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/02/24	60				0.0	0.0	1034	0.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/02/24	90				0.0	0.0	1034	0.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/02/24	120				0.0	0.0	1034	0.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/02/24	180				0.0	0.0	1034	0.57	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/02/24	0	0.3	0.1	21.8	0.0	0.2	1033	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/02/24	10	0.2	0.1	21.8	0.0	0.2	1033	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/02/24	20	0.2	0.1	21.8	0.0	0.2	1033	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/02/24	30	0.2	0.2	21.8	0.0	0.2	1033	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/02/24	60	0.3	2.2	19.2	0.0	0.2	1033	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/02/24	90	0.3	3.7	14.8	0.0	0.2	1033	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/02/24	120	0.2	3.8	14.6	0.0	0.2	1033	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/02/24	180	0.2	3.9	14.5	0.0	0.2	1033	1.36	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/02/24	0	0.2	0.2	21.6	0.1	0.2	1033	4.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/02/24	10	0.2	0.2	21.6	0.1	0.2	1033	4.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/02/24	20	0.2	0.2	21.7	0.1	0.2	1033	4.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Small Dole
Ref: GE22017
Client: Wates Developments Limited



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS04	01/02/24	30	0.2	0.1	21.7	0.1	0.2	1033	4.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/02/24	60	0.2	1.5	20.9	0.1	0.2	1033	4.30	0.000	0.002	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/02/24	90	0.2	3.2	15.1	0.1	0.2	1033	4.30	0.000	0.003	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/02/24	120	0.2	3.3	14.7	0.1	0.2	1033	4.30	0.000	0.003	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/02/24	180	0.2	3.6	14.0	0.1	0.2	1033	4.30	0.000	0.004	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/02/24	0	0.2	0.2	21.5	0.0	0.3	1033	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/02/24	10	0.2	4.2	19.9	0.0	0.3	1033	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/02/24	20	0.2	4.3	11.1	0.0	0.3	1033	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/02/24	30	0.2	4.3	8.2	0.0	0.3	1033	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/02/24	60	0.2	4.3	6.8	0.0	0.3	1033	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/02/24	90	0.2	4.3	6.7	0.0	0.3	1033	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/02/24	120	0.2	4.3	6.7	0.0	0.3	1033	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/02/24	180	0.2	4.3	6.8	0.0	0.3	1033	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/02/24	0	0.2	0.2	21.6	0.0	0.3	1032	1.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/02/24	10	0.2	0.2	21.5	0.0	0.3	1032	1.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/02/24	20	0.2	0.2	21.5	0.0	0.3	1032	1.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/02/24	30	0.2	0.3	21.3	0.0	0.3	1032	1.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/02/24	60	0.2	3.7	15.8	0.0	0.3	1032	1.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/02/24	90				0.0	0.3	1032	1.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/02/24	120				0.0	0.3	1032	1.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/02/24	180				0.0	0.3	1032	1.85	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/24	0	0.4	0.1	21.4	0.0	0.0	989	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/24	10	0.4	1.9	21.2	0.0	0.0	989	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/24	20				0.0	0.0	989	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/24	30				0.0	0.0	989	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/24	60				0.0	0.0	989	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/24	90				0.0	0.0	989	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/24	120				0.0	0.0	989	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	01/03/24	180				0.0	0.0	989	0.28	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/03/24	0				0.0	0.0	990		0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/03/24	10				0.0	0.0	990	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/03/24	20				0.0	0.0	990	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/03/24	30				0.0	0.0	990	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/03/24	60				0.0	0.0	990	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/03/24	90				0.0	0.0	990	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/03/24	120				0.0	0.0	990	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	01/03/24	180				0.0	0.0	990	-	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/03/24	0	0.4	0.1	21.7	0.0	0.0	990	0.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/03/24	10	0.4	1.0	21.7	0.0	0.0	990	0.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/03/24	20				0.0	0.0	990	0.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/03/24	30				0.0	0.0	990	0.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/03/24	60				0.0	0.0	990	0.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/03/24	90				0.0	0.0	990	0.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/03/24	120				0.0	0.0	990	0.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	01/03/24	180				0.0	0.0	990	0.30	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Small Dole
Ref: GE22017
Client: Wates Developments Limited



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS04	01/03/24	0	0.4	0.1	21.8	0.0	0.0	989	3.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/03/24	10	0.4	0.1	21.8	0.0	0.0	989	3.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/03/24	20	0.4	0.1	21.8	0.0	0.0	989	3.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/03/24	30	0.4	1.0	21.6	0.0	0.0	989	3.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/03/24	60	0.4	3.3	14.3	0.0	0.0	989	3.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/03/24	90	0.4	3.4	13.4	0.0	0.0	989	3.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/03/24	120	0.4	3.1	13.7	0.0	0.0	989	3.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	01/03/24	180	0.4	3.3	13.1	0.0	0.0	989	3.75	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/03/24	0	0.4	0.2	21.4	0.0	0.3	989	2.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/03/24	10	0.4	2.8	16.7	0.0	0.3	989	2.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/03/24	20	0.4	3.4	10.1	0.0	0.3	989	2.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/03/24	30	0.4	4.0	6.3	0.0	0.3	989	2.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/03/24	60	0.4	4.3	5.5	0.0	0.3	989	2.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/03/24	90	0.4	4.3	5.4	0.0	0.3	989	2.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/03/24	120	0.4	4.3	5.4	0.0	0.3	989	2.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	01/03/24	180				0.0	0.3	989	2.45	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/03/24	0	0.4	0.3	21.2	0.0	0.3	990	1.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/03/24	10	0.4	3.9	18.8	0.0	0.3	990	1.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/03/24	20	0.4	4.9	9.7	0.0	0.3	990	1.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/03/24	30	0.4	6.1	5.9	0.0	0.3	990	1.60	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	01/03/24	60	0.4	6.4	5.3	0.0	0.3	990	1.60	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	01/03/24	90				0.0	0.3	990	1.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/03/24	120				0.0	0.3	990	1.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	01/03/24	180				0.0	0.3	990	1.60	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	12/04/24	0	0.0	0.9	20.1	0.0	0.2	1029	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	12/04/24	10	0.0	0.9	19.5	0.0	0.2	1029	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	12/04/24	20	0.0	1.5	19.0	0.0	0.2	1029	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	12/04/24	30	0.0	2.2	18.6	0.0	0.2	1029	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	12/04/24	60				0.0	0.2	1029	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	12/04/24	90				0.0	0.2	1029	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	12/04/24	120				0.0	0.2	1029	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS01	12/04/24	180				0.0	0.2	1029	0.53	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	12/04/24	0							0.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	12/04/24	10				-	-	-	0.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	12/04/24	20				-	-	-	0.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	12/04/24	30				-	-	-	0.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	12/04/24	60				-	-	-	0.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	12/04/24	90				-	-	-	0.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	12/04/24	120				-	-	-	0.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS02	12/04/24	180				-	-	-	0.03	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	12/04/24	0	0.0	0.1	20.9	0.0	0.3	1029	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	12/04/24	10	0.0	0.2	20.8	0.0	0.3	1029	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	12/04/24	20	0.0	1.2	20.5	0.0	0.3	1029	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	12/04/24	30	0.0	1.9	18.9	0.0	0.3	1029	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	12/04/24	60	0.0	3.0	14.9	0.0	0.3	1029	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN

Project: Small Dole
Ref: GE22017
Client: Wates Developments Limited



Location	Date	Time (sec)	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Flow (l/hr)	VOC (ppm)	Pressure (mb)	GWL (m bgl)	GSV/Qhgs		Characteristic Situation		CS1 Limiting Value Check			NHBC			
										CH ₄	CO ₂	BS8485 & C665		Flow	CH ₄	CO ₂	CH ₄		CO ₂	
												CH ₄	CO ₂				GSV	Conc.	GSV	Conc.
WS03	12/04/24	90				0.0	0.3	1029	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	12/04/24	120				0.0	0.3	1029	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS03	12/04/24	180				0.0	0.3	1029	1.25	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	12/04/24	0	0.0	0.5	19.4	0.0	0.1	1030	4.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	12/04/24	10	0.0	0.4	19.7	0.0	0.1	1030	4.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	12/04/24	20	0.0	0.1	20.0	0.0	0.1	1030	4.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	12/04/24	30	0.0	0.2	19.8	0.0	0.1	1030	4.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	12/04/24	60	0.0	3.2	13.0	0.0	0.1	1030	4.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	12/04/24	90	0.0	4.2	9.3	0.0	0.1	1030	4.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	12/04/24	120	0.0	4.3	9.3	0.0	0.1	1030	4.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS04	12/04/24	180	0.0	4.3	9.3	0.0	0.1	1030	4.04	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	12/04/24	0	0.0	0.6	19.6	0.0	0.0	1029	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	12/04/24	10	0.0	0.5	19.9	0.0	0.0	1029	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	12/04/24	20	0.0	3.8	9.2	0.0	0.0	1029	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	12/04/24	30	0.0	3.8	6.0	0.0	0.0	1029	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	12/04/24	60	0.0	3.9	5.6	0.0	0.0	1029	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	12/04/24	90	0.0	3.9	5.5	0.0	0.0	1029	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	12/04/24	120	0.0	3.9	5.5	0.0	0.0	1029	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS05	12/04/24	180	0.0	3.9	5.5	0.0	0.0	1029	Dry	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	12/04/24	0	0.0	0.4	20.1	0.0	0.3	1029	1.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	12/04/24	10	0.0	4.6	19.0	0.0	0.3	1029	1.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
WS06	12/04/24	20	0.0	5.0	13.8	0.0	0.3	1029	1.69	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	AMBER 1
WS06	12/04/24	30	0.0	5.9	8.0	0.0	0.3	1029	1.69	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	12/04/24	60	0.0	6.8	5.1	0.0	0.3	1029	1.69	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	12/04/24	90	0.0	7.2	4.5	0.0	0.3	1029	1.69	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	12/04/24	120	0.0	7.3	4.3	0.0	0.3	1029	1.69	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
WS06	12/04/24	180	0.0	7.3	4.1	0.0	0.3	1029	1.69	0.000	0.000	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
Max values			0.4	7.3	22.1	0.3	0.7	1034.0	4.3	0.001	0.022	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1
Min Vaules			0.0	0.0	4.1	0.0	0.0	989.0	0.0	0.000	0.000	CS1	CS1	NO	NO	NO	GREEN	GREEN	GREEN	GREEN
BH Flow LoD check			0.4	7.3	22.1	0.1	-	-	-	0.000	0.007	CS1	CS1	NO	NO	CO2>CS1 limit	GREEN	GREEN	GREEN	AMBER 1

Cell: B128

Comment: William Hughes
Ran out of filters for gasmeter
14/12/2023 09:22

Cell: B136

Comment: William Hughes
Ran out of filters for gasmeter
14/12/2023 09:22

Cell: B144

Comment: William Hughes
Ran out of filters for gasmeter
14/12/2023 09:22

Cell: D203

Comment: Anthony Potter
Sucked up water after 20 seconds
28/06/2024 09:32

Cell: D209

Comment: Anthony Potter
Well flooded
28/06/2024 09:32

Cell: D219

Comment: Anthony Potter
Sucked up water after 20 seconds
28/06/2024 09:31

Cell: D239

Comment: Anthony Potter
Pump stopped after 120 seconds
28/06/2024 09:31

Cell: D246

Comment: Anthony Potter
Pump stopped after 90 seconds
28/06/2024 09:33

Cell: D249

Comment: Anthony Potter
Immediately sucked up water
28/06/2024 09:35

Cell: D257

Comment: Anthony Potter
Immediately sucked up water
28/06/2024 09:36

Cell: D267

Comment: Anthony Potter
Sucked up water after 20 seconds
28/06/2024 09:36

Cell: D299

Comment: Anthony Potter

Sucked up water after 20 seconds

28/06/2024 09:46

Cell: D308

Comment: Anthony Potter

Sucked up water after 30 seconds

28/06/2024 09:47

Cell: D341

Comment: Anthony Potter

Pump stopped after 60 seconds

28/06/2024 09:55

Cell: D346

Comment: Anthony Potter

Sucked up water after 10 seconds

28/06/2024 09:56

Cell: D352

Comment: Anthony Potter

Location submerged under water

28/06/2024 09:57

Cell: D362

Comment: Anthony Potter

Sucked up water after 10 seconds

28/06/2024 09:58

Cell: D383

Comment: Anthony Potter

Pump stopped at 120 seconds

28/06/2024 11:26

Cell: D389

Comment: Anthony Potter

Pump stopped after 60 seconds

28/06/2024 11:27

Cell: D396

Comment: Anthony Potter

Sucked up water after 30 seconds

28/06/2024 11:36

Cell: D400

Comment: Anthony Potter

Well saturated with water

28/06/2024 11:35

Cell: D413

Comment: Anthony Potter

Sucked up water after 60 seconds

28/06/2024 11:36

Cell: A442

Note: Gavin :

Required to comply with CIRIA C665

Cell: G442

Note: Gavin :

GasData LoD flow = 0.1litre/hr

GA flow pod LoD = 0.3 litre/hr

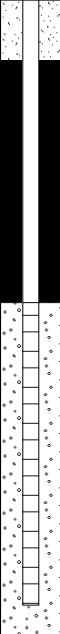
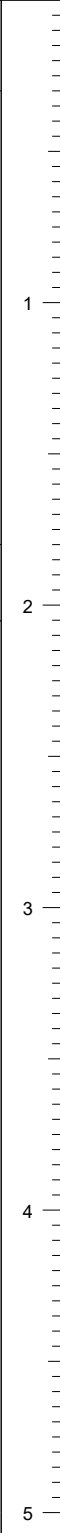
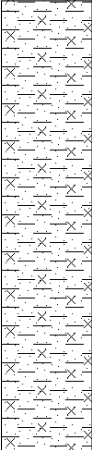
Project Title: Shoreham Road, Small Dole
Location : Small Dole, West Sussex
Project No. : GE22017
Client : Wates Developments

Title : Figure 2 - Exploratory Hole Location Plan
Scale: 1:1750
Engineer: AP



- Legend Key
- Locations By Type - TP
 - Locations By Type - WLS



 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS01 Sheet 1 of 1	
Project Name: Shoreham Road, Small Dole				Project No. GE22017		Co-ords: 521252E - 113063N		Hole Type WLS	
Location: Small Dole, West Sussex				Level: 10.13		Scale 1:25			
Client: Wates Developments				Dates: 09/11/2023		Logged By JK			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.30	9.83		Dark greyish brown silty sandy clay with frequent rootlets and occasional fine to medium flint gravel. TOPSOIL	
	0.50 0.50	D PP	2.0kg/cm2				Firm and stiff light yellowish brown and light grey mottled silty sandy CLAY with abundant siltstone inclusions. Occasional rootlets and decaying rootlets to 0.70m bgl. LOWER GREENSAND GROUP		
	1.00 1.00	D PP	1.0kg/cm2						
	1.50 1.50	D PP	2.0kg/cm2						
	2.00	D			Light yellowish brown and light grey mottled clayey silty fine to medium SAND with abundant siltstone inclusions. LOWER GREENSAND GROUP				
					2.05	8.08	End of Borehole at 2.05m		
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks					
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Refused at 2.05m bgl.				
									Status PRELIM



www.gesl.net

Geo-Environmental www.gesl.net

Borehole No.

WS02

Sheet 1 of 1

Project Name: Shoreham Road, Small Dole

Project No.	GE22017
-------------	---------

Co-ords: 521318E - 113046N

Hole Type	WLS
1	0.0000
2	0.0000
3	0.0000
4	0.0000
5	0.0000
6	0.0000
7	0.0000
8	0.0000
9	0.0000
10	0.0000
11	0.0000
12	0.0000
13	0.0000
14	0.0000
15	0.0000
16	0.0000
17	0.0000
18	0.0000
19	0.0000
20	0.0000
21	0.0000
22	0.0000
23	0.0000
24	0.0000
25	0.0000
26	0.0000
27	0.0000
28	0.0000
29	0.0000
30	0.0000
31	0.0000
32	0.0000
33	0.0000
34	0.0000
35	0.0000
36	0.0000
37	0.0000
38	0.0000
39	0.0000
40	0.0000
41	0.0000
42	0.0000
43	0.0000
44	0.0000
45	0.0000
46	0.0000
47	0.0000
48	0.0000
49	0.0000
50	0.0000
51	0.0000
52	0.0000
53	0.0000
54	0.0000
55	0.0000
56	0.0000
57	0.0000
58	0.0000
59	0.0000
60	0.0000
61	0.0000
62	0.0000
63	0.0000
64	0.0000
65	0.0000
66	0.0000
67	0.0000
68	0.0000
69	0.0000
70	0.0000
71	0.0000
72	0.0000
73	0.0000
74	0.0000
75	0.0000
76	0.0000
77	0.0000
78	0.0000
79	0.0000
80	0.0000
81	0.0000
82	0.0000
83	0.0000
84	0.0000
85	0.0000
86	0.0000
87	0.0000
88	0.0000
89	0.0000
90	0.0000
91	0.0000
92	0.0000
93	0.0000
94	0.0000
95	0.0000
96	0.0000
97	0.0000
98	0.0000
99	0.0000
100	0.0000

Location: Small Dole, West Sussex

Level: 9.94

Scale
1:25

Client: Wates Developments

Dates: 09/11/2023

Logged By
JK



Status
PRELIM



www.gesl.net

Borehole Log

Borehole No.

WS03

Sheet 1 of 1

Project Name: Shoreham Road, Small Dole

Project No.	GE22017
-------------	---------

Co-ords: 521423E - 113038N

Hole Type	WLS
-----------	-----

Location: Small Dole, West Sussex

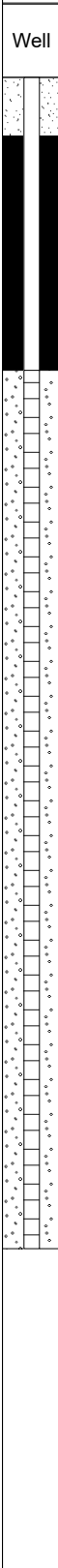
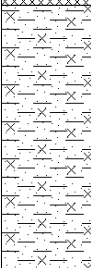
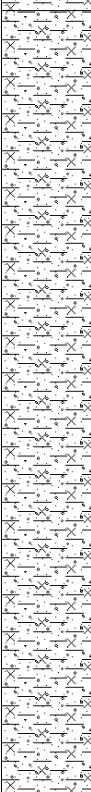
Level: 11.06

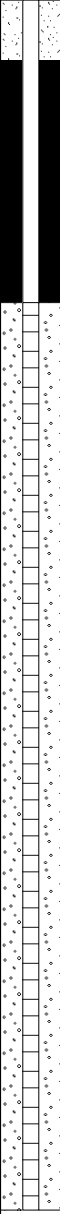
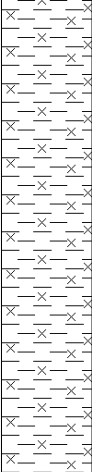
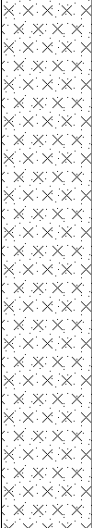
Scale
1:25

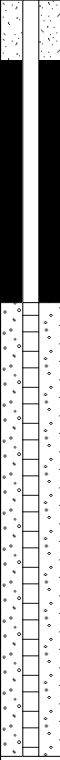
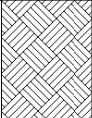
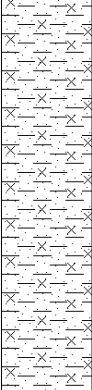
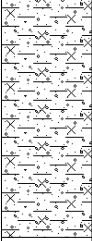
Client: Wates Developments

Dates: 09/11/2023

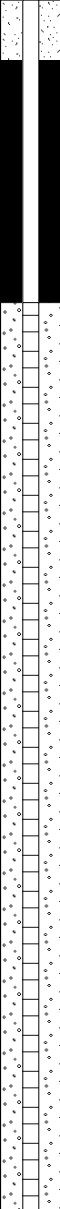
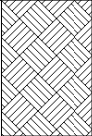
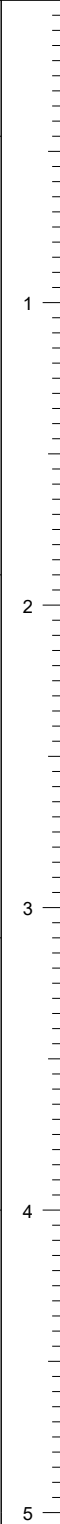
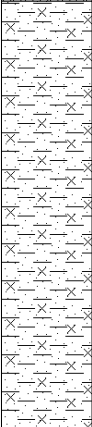
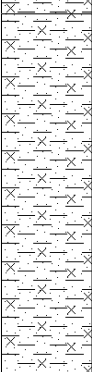
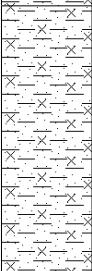
Logged By
JK

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
								Dark brown silty sandy clay with frequent rootlets, rare roots (4mm) and glass. TOPSOIL	1	
		0.40 0.40	ES PP	1.5kg/cm2	0.30 0.50	10.76 10.56		Reworked greenish brown silty sandy clay with rare rootlets. MADE GROUND		
		1.00 1.00	D PP	1.5kg/cm2				Firm to stiff light brown and light greyish brown mottled silty sandy CLAY with frequent siltstone inclusions. LOWER GREENSAND GROUP	2	
								... frequent ferruginous inclusions between 1.05m and 1.50m bgl.		
		1.50	D		1.40	9.66		Light greyish brown and grey mottled sandy silty CLAY with frequent siltstone inclusions and lenses. LOWER GREENSAND GROUP		
		2.00	D							3
		2.50	D							
		3.00	D							
		3.50	D							4
		4.00	D		4.00	7.06		End of Borehole at 4.00m		
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks					 Status PRELIM	
Depth Top	Depth Base	Diameter	Depth Strike	Rose To						
			3.00	3.00						

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Project No. GE22017				Co-ords: 521438E - 113120N				Borehole No. WS04	
Project Name: Shoreham Road, Small Dole				Location: Small Dole, West Sussex				Level: 15.65				Hole Type WLS	
Client: Wates Developments				Dates: 09/11/2023				Scale 1:25				Logged By JK	
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description					
		Depth (m)	Type	Results									
		0.20	ES		0.25	15.40		Dark brown silty sandy clay with frequent rootlets. TOPSOIL	1				
		0.50 0.50	D PP	1.5kg/cm2	0.60	15.05		Reworked brown silty sandy clay with rare fine flint and rootlets. MADE GROUND					
		1.00 1.00	D PP	1.5kg/cm2				Firm to stiff yellowish brown sandy silty CLAY with frequent siltstone. LOWER GREENSAND GROUP					
		1.50 1.50	D PP	1.0kg/cm2									
		2.00 2.00	D PP	1.5kg/cm2	2.20	13.45				2			
		2.50	D										
		3.00	D					Yellowish brown gravelly sandy silty CLAY. Gravel comprises fine to medium sub-angular sandstone. LOWER GREENSAND GROUP	3				
		3.50	D										
		4.00	D		4.00	11.65				4			
			End of Borehole at 4.00m							5			
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks									
Depth Top	Depth Base	Diameter	Depth Strike							Rose To			
 Status PRELIM													

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net				Borehole Log				Borehole No. WS05 Sheet 1 of 1	
Project Name: Shoreham Road, Small Dole				Project No. GE22017		Co-ords: 521329E - 113125N		Hole Type WLS	
Location: Small Dole, West Sussex				Level: 14.86		Scale 1:25			
Client: Wates Developments				Dates: 09/11/2023		Logged By JK			
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.20	ES		0.40	14.46		Dark greyish brown silty sandy clay with frequent rootlets and rare fine to medium flint gravel. TOPSOIL	1
	0.50 0.50	D PP	2.0kg/cm2						
	1.00 1.00	D PP	2.0kg/cm2	1.70	13.16		Stiff light yellowish brown and dark brown flecked silty sandy silty CLAY with frequent siltstone inclusions. LOWER GREENSAND GROUP	2	
	1.50	D							
	2.00	D							
		2.50	D		2.50	12.36		Firm dark greenish grey and light brown mottled sandy silty CLAY with abundant siltstone lenses and inclusions. LOWER GREENSAND GROUP	3
End of Borehole at 2.50m									4
									5
Dynamic Sampling Run Details		Water Strike Details (mbgl)		Remarks					
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	Refused on SILTSTONE at 2.50m bgl.				
									Status PRELIM

 Unit 7, Danworth Farm Hurstpierpoint BN6 9GL www.gesl.net		Borehole Log			Borehole No. WS06 Sheet 1 of 1	
Project Name: Shoreham Road, Small Dole		Project No. GE22017		Co-ords: 521280E - 113198N		Hole Type WLS
Location: Small Dole, West Sussex				Level: 15.20		Scale 1:25
Client: Wates Developments				Dates: 09/11/2023		Logged By JK

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
		0.30	ES		0.45	14.75		Dark brown silty sandy clay with frequent rootlets and rare fine to coarse flint gravel. TOPSOIL	
	0.50 0.50	D PP	1.2kg/cm2						
	1.00 1.00	D PP	1.8kg/cm2	1.90	13.30		Firm and stiff orangish brown and dark orangish brown flecked sandy silty CLAY. LOWER GREENSAND GROUP		
	1.50 1.50	D PP	1.0kg/cm2						
	2.00 2.00	D PP	1.5kg/cm2	3.10	12.10		Firm light orangish brown and occasionally orangish brown mottled sandy silty CLAY with rare claystone inclusions. LOWER GREENSAND GROUP		
	2.50	D							
	3.00	D		4.00	11.20		Firm and stiff light yellowish brown and occasionally orangish brown mottled silty sandy CLAY with frequent siltstone inclusions. LOWER GREENSAND GROUP		
	3.50 3.50	D PP	2.5kg/cm2						
	4.00 4.00	D PP	1.0kg/cm2	End of Borehole at 4.00m					

Dynamic Sampling Run Details			Water Strike Details (mbgl)		Remarks
Depth Top	Depth Base	Diameter	Depth Strike	Rose To	


 Status
 PRELIM