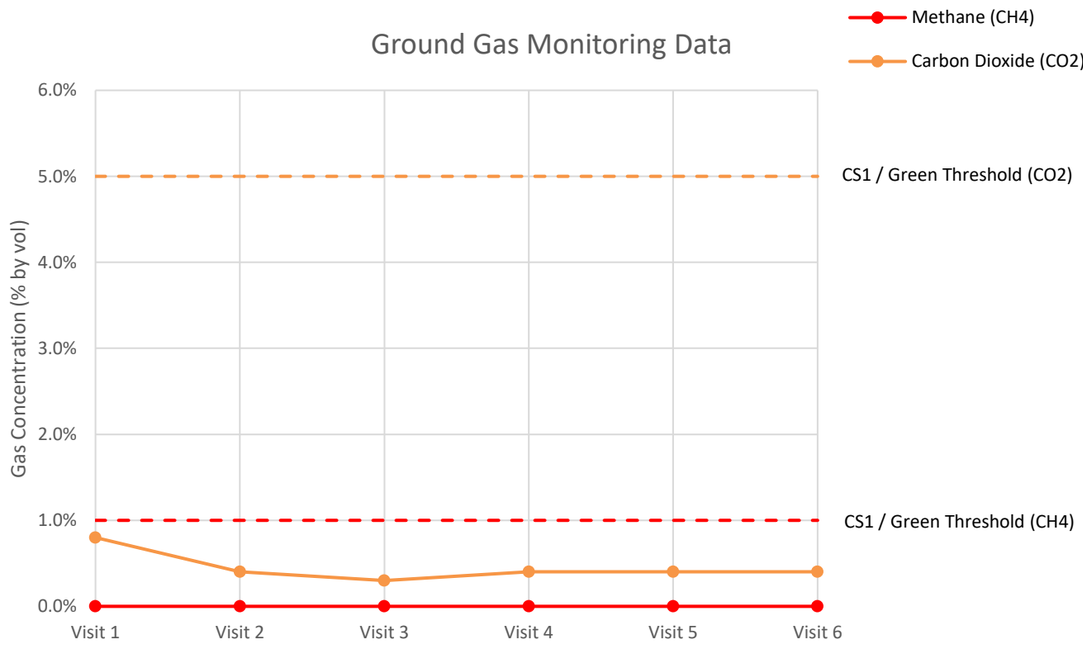
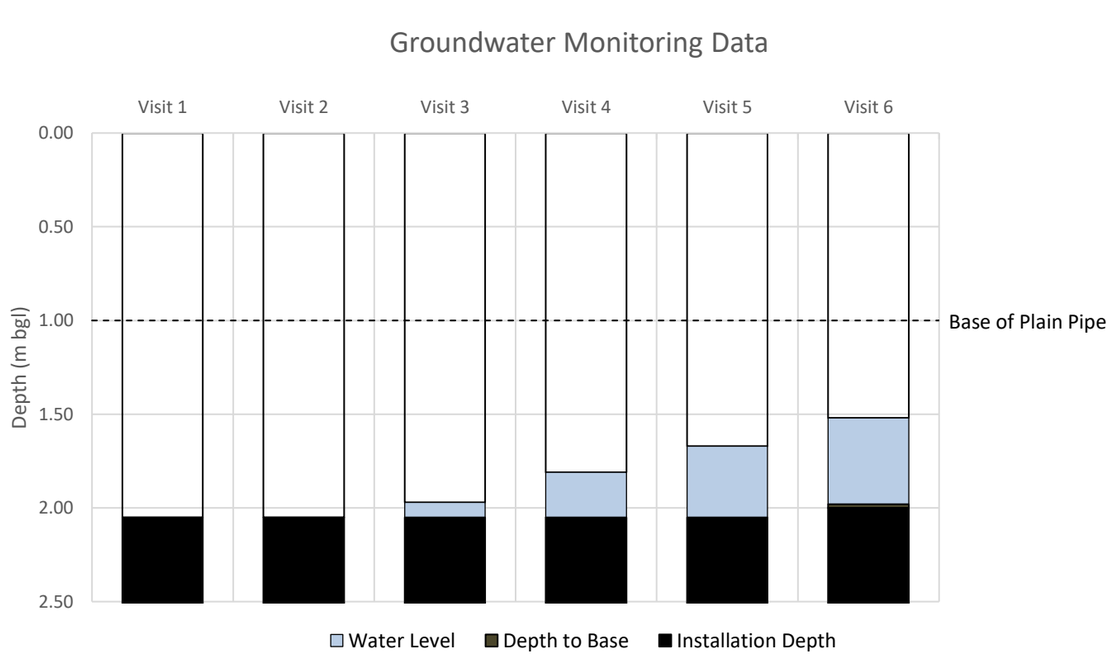
SUTCLIFFE INVESTIGATIONS	Site Details		Installation Details		Position Ref.:
	Job No.:	33585LG	Installation Date:	26/03/2025	WS103
TEL: 0151 227 3155	Site Name:	Apollo Pub, Miles Platting	Installation Depth (m bgl):	2.00	
FAX: 0151 227 3156	Client:	Jigsaw	Base of Plain Pipe (m bgl):	1.00	

Site Monitoring Visit Details							Gas and Groundwater Monitoring Data							Ground Gas Risk Assessment				
Visit No.	Visit Date	Logged By	Weather	Atmospheric Pressure	Pressure Trend	Relative Pressure (mb)	Flow Rate (l/h)	Max CH_4 (% LEL)	Max CH_4 (% by vol)	Max CO_2 (% by vol)	Min O_2 (% by vol)	Water Level (m bgl)	Depth to Base (m bgl)	Gas Type	Max Flow Rate[2] (l/h)	Max Gas Conc.[3] (% by vol)	HGFR[1] (l/h)	Characteristic Situation (CS)
Visit 1	01/05/2025	AW	Sunny, warm	1009mb	rising	-	0.00	#N/A	0.0%	0.8%	20.0%	Dry	2.05	CH_4	0.10	0.10	0.0001	CS1
Visit 2	21/05/2025	AW	Sunny	1008mb	Steady	-	0.00	#N/A	0.0%	0.4%	20.8%	Dry	2.05					
Visit 3	12/06/2025	AW	Cloudy	999mb	Steady	-	0.00	#N/A	0.0%	0.3%	20.9%	1.97	2.05					
Visit 4	26/06/2025	AW	Sunny	1002mb	Steady	-	0.00	#N/A	0.0%	0.4%	20.7%	1.81	2.05	CO_2	0.10	0.80	0.0008	CS1
Visit 5	10/07/2025	AW	Sunny	1017mb	Rising	-	0.00	#N/A	0.0%	0.4%	20.6%	1.67	2.05					
Visit 6	29/07/2025	AW	Cloudy	1009mb	Steady	-	0.00	#N/A	0.0%	0.4%	20.7%	1.52	1.98					





Instrument Used:	Accuracy of Instrument (% by volume)	CH_4	CO_2	O_2	Comments:
GFM		± 0.5% @ 5%	± 0.5% @ 5%	± 1.0%	
		± 1.0% @15%	± 1.0% @15%		
		±3.0% @>15%	±3.0% @>15%		

[1] Hazardous Gas Flow Rate Assessment Methodology (HGFR) is the calculation of the maximum gas concentration for the location x maximum flow rate for the location.

[2] Where maximum recorded flow is <0.1l/h, 0.1l/h has been used to calculate HGFR as recommended in CIRIA C665.

[3] Where maximum recorded concentration is <0.1%, 0.1% has been used as recommended in BS8485.

* Peak flow recorded is likely to be due to a build-up of hydraulic pressure caused by rising water trapping the gas within the solid section of pipe; the initial peak flow is not representative of the rate of gas generation within the ground and can be discounted from the dataset.