

<div>Sutcliffe</div>		SUTCLIFFE INVESTIGATIONS					Site Details						Installation Details				Position Ref.:		
							Job No.:		33585LG				Installation Date:		26/03/2025		WS105		
		TEL: 0151 227 3155					Site Name:		Apollo Pub, Miles Platting				Installation Depth (m bgl):		4.00				
		FAX: 0151 227 3156					Client:		Jigsaw				Base of Plain Pipe (m bgl):		2.00				
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%	2.0%	19.2%	2.25	4.30	CH ₄	0.10	0.10	0.0001	CS1	
Visit 2	21/05/2025	AW	Sunny	1008mb	Steady	-	0.00	#N/A	0.0%	1.1%	20.0%	2.30	4.33						
Visit 3	12/06/2025	AW	Cloudy	999mb	Steady	-	0.00	#N/A	0.0%	1.8%	19.2%	2.10	4.28						
Visit 4	26/06/2025	AW	Sunny	1002mb	Steady	-	0.00	#N/A	0.0%	1.7%	19.2%	2.18	4.30	CO ₂	0.10	2.00	0.0020	CS1	
Visit 5	10/07/2025	AW	Sunny	1017mb	Rising	-	0.00	#N/A	0.0%	1.4%	19.5%	2.22	4.28						
Visit 6	29/07/2025	AW	Cloudy	1009mb	Steady	-	0.00	#N/A	0.0%	1.6%	19.3%	2.18	4.25						
<div>Ground Gas Monitoring Data</div> <div><div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div>Visit 1</div><div>Visit 2</div><div>Visit 3</div><div>Visit 4</div><div>Visit 5</div><div>Visit 6</div></div></div><div><div>CS1 / Green Threshold (CO2)</div><div>CS1 / Green Threshold (CH4)</div></div></div>												<div>Groundwater Monitoring Data</div> <div><div><div>Visit 1</div><div>Visit 2</div><div>Visit 3</div><div>Visit 4</div><div>Visit 5</div><div>Visit 6</div></div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div><div></div><div></div></div></div> <div><div>Base of Plain Pipe</div></div> <div><div>Water Level</div><div>Depth to Base</div><div>Installation Depth</div></div>							
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%														
<div>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.</div> <div>² Where maximum recorded flow is <0.1/h, 0.1/h has been used to calculate HGFR as recommended in CIRIA C665.</div> <div>³ Where maximum recorded concentration is <0.1%, 0.1% has been used as recommended in BS8485.</div> <div>* 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.</div>																			