

## Methane Emissions Survey Sheet –

<b>Site</b>	<b>Hafod Landfill</b>	<b>Date</b>	30/11/23	<b>Time</b>	in: 10:00 out: 15:00
<b>Instrument</b>	Gazomat Inspectra TDL (Serial No.: 2421011)	<b>Test gas reading</b>	-	<b>Time</b>	-
<b>Next Calibration due</b>	-	<b>Background reading</b>	1.8 ppm	<b>Time</b>	-
<b>Weather conditions:</b>	Dry, slight breeze, generally blowing from a northerly direction.			<b>Atm. Press.</b>	-
<b>Survey Undertaken by:</b>	Jamie Blythin & Stuart Ross				

Survey Results				
Point ref.	Time	Methane Reading	Feature and / or Grid Reference	Description / Comment
MGW (Middle Groundwater)		40ppm		
Groundwater		30ppm		
Cell 5a northern flank		400ppm		Reading taken approximately 1m in the air by the flank
Cell 5a northern flank-interface between clay/soils		2500ppm, 30-57% methane		Audible noise of gas near flank/ gas bubbling through water on flank
Cell 5a northern flank		500ppm		Very strong landfill gas odour
Cell 5a-northern flank downslope from leachate chamber		400ppm		
North-West corner of Cell 5a		10,000 ppm		
Western flank of Cell 5a		30-50ppm		
Western flank of Cell 5a		120-400ppm		
Western flank of Cell 5a		4000ppm		
Western flank of Cell 5a		12,000ppm		Very steep slope angle. Areas on flank where waste is visible.
LC4		3-9% gas		Very strong gas odour near LC4. Horrible smell.
HF00W132		700ppm		
HF00W133		30ppm		
HF00134				Can hear condensate in pipe sloshing about. No dip data yet.
HF00W135		10ppm		Can hear condensate.
HF00W136		20ppm		Puddle of water on top of Cell 5a bubbling.



HF00W130		8000ppm		Odour detected when approaching well.
HF00W130		10,000ppm/ 4.4% gas		Detected on ground approximately 1m from well W130

HF00W129		6,400ppm		Vertical angle on pipe, condensate in pipe.
HF00W075		30ppm		
HF00W131		57ppm		Ambient reading in air between 10-80ppm
LC4		2000 ppm in the air		
Eastern flank of Cell 5a, adjacent to New Hall Road		13ppm		
Eastern flank near dust monitor		5ppm, 7% gas		
Well at southern perimeter-no markings		200-288 ppm, 10.6% gas, 80 ppm on ground near well		Bung not in well properly. Well not labelled.
Well at Southern perimeter		2000ppm 2-3% gas		
FW102		Background-low ppm		
Area on top of cell 4 facing Cell 5b		4ppm		
Well 84		34ppm ground		
HH00W076		60ppm		
072		370ppm		Odour
Cell 4 knockout pot 10		90% gas 38000ppm		Landfill gas odours.
LC05		12,000ppm		
Phase 5		2.2ppm/ background		
Phase 5		200-230 ppm		
Bottom of phase 5		6000ppm		



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