

# Subsurface Gas Results November 2020

Environment Protection Licence 5897 - Condition M2 - Air Quality - Quarterly Subsurface Gas

City of Newcastle - Summerhill Waste Management Centre  
141 Minmi Road, Wallsend, NSW

Parameter		Methane CH <sub>4</sub>	Carbon Dioxide CO <sub>2</sub>	Oxygen O <sub>2</sub>	Hydrogen Sulfide H <sub>2</sub> S
Units:		%v/v	%v/v	% v/v	ppm
LOR:		0.1	0.1	0.1	0.1
CN ID	EPL ID				
SGG16	16	0	0.1	20.5	0
SSG23	23	0	0	20.9	0
SSG24*	24	0	0.1	20.5	0
Threshold		1.0% above background <sup>1</sup> 1.25% <sup>2</sup>	1.5 % above background <sup>1</sup>	-	-

**Notes:**

Sampling date 20/11/20. Final data obtained 5/12/20. 11/12/20.

LOR = Limit of reporting of the instrument

CN = City of Newcastle

EPL = Environment Protection Licence

\* Well historically sealed due to water level above the screened interval. Results in previous publications are pre-purge data and may not be indicative of actual subsurface gas concentrations. An alternate purge method was successfully applied in June 2018, allowing collection of the necessary post-purge data.

1. NSW EPA Environmental Guidelines for Solid Waste Landfills, 2016.

2. EPL 5897, version date 10 December 2018

A copy of the Environmental Protection Licence can be viewed at: <http://app.epa.nsw.gov.au/prpoeoapp/>

A map showing the location of gas wells can be viewed at: <http://www.newcastle.nsw.gov.au/Living/Waste-recycling/Summerhill-Waste-management-Centre/Environmental-Monitoring-Data>