

Grange Avenue Landfill Gas Power Station

Licence Number: 13337  
 Licence Holder: EDL LFG (NSW) Pty Ltd  
 Licensee Address: Grange Avenue (West), Marsden Park, NSW 2765  
 Testing year: 2016  
 Testing required: Point 1 and Point 2 once every 5 years

Location of Monitoring Point	Date Sampled	Date Obtained	Date Published	Pollutant	Units of Measure	No. Samples Required by Licence	No. Samples collected and Analysed	Value	Licence Limit	Exceedance (Yes/No)
Discharge and Monitoring Point 1, Air emissions, Emissions from Engine Number One	02/03/16	12/05/16	23/06/20	Carbon dioxide	%	1/5 years	1	6.8		
				Carbon monoxide	mg/m3	1/5 years	1	857		
				Dry gas density	kg/m3	1/5 years	1	1.31		
				Moisture Content	%	1/5 years	1	4.9		
				Molecular weight of stack gases	g/g.mol	1/5 years	1	29.42		
				Nitrogen Oxides at 7% O2	mg/m3	1/5 years	1	344	450	No
				Oxygen	%	1/5 years	1	8.1		
				Sulfur Dioxides	mg/m3	1/5 years	1	< 1.3		
				Sulfuric acid mist as Sulfur trioxides at 3% O2	g/m3	1/5 years	1	< 0.0014	100	No
				Temperature	Deg C	1/5 years	1	430		
				Velocity	m/s	1/5 years	1	34.5		
				Volatile organic compounds	mg/m3	0	1	-		
Volumetric Flowrate	m3/s	1/5 years	1	1.6						
Discharge and Monitoring Point 2, Air emissions, Emissions from Gas Supply Line	02/03/16	12/05/16	23/06/20	Carbon dioxide	%	1/5 years	1	27.5		
				Dry gas density	kg/m3	1/5 years	1	1.45		
				Moisture Content	%	1/5 years	1	15.5		
				Molecular weight of stack gases	g/g.mol	1/5 years	1	18		
				Oxygen	%	1/5 years	1	0.91		
				Temperature	deg C	1/5 years	1	55		
				Velocity	m/s	1/5 years	1	2.36		
				Volatile organic compounds	mg/m3	0	1	61		
				Volumetric Flowrate	m3/s	1/5 years	1	0.17		

Note: All results are compliant with Environmental Licence 13337

Change Log

- Date Change
- 22/06/2020 Corrected Sulphur trioxide value to match the 2016 emissions testing report and licence requirement of 3% Oxygen reference value
  - 22/06/2020 Reformatted
  - 22/07/2020 Included unabbreviated form 'volatile organic compounds' to replace 'VOCs'
  - 22/07/2020 Included date the monitoring data was obtained
  - 22/07/2020 Updated tested required to match licence
  - 22/07/2020 Included reference point for Nitrogen oxides
  - 22/07/2020 Included full name of pollutant tested and reference basis for sulfuric acid mist and sulfur dioxide (as SO3) as per licence
  - 22/07/2020 Updated 'Number of samples required by licence' for pollutants not required by EPL
  - 22/07/2020 Updated pollutant name and units of measure for 'Sulphur trioxides as sulfuric acid mist' value to match the 2016 emissions testing report and licence requirement of 3% Oxygen reference value
  - 22/07/2020 Removed sulfur trioxide measurement which was not corrected with reference basis O2 and not required by Environmental Protection Licence
  - 22/07/2020 Removed methane content measurement from Gas Supply Line as commercial in confidence and not required by Environmental Protection Licence
  - 22/07/2020 Corrected value for sulfur dioxide to < 1.3 mg/m3 from < 0.01 as per the 2016 emissions report
  - 22/07/2020 Corrected value for volumetric flow rate for the Supply Line from 0.167 to 0.17 as per the 2016 emissions report
  - 22/07/2020 Corrected value for volumetric flow rate for the Engine 1 from 4.3 to 1.6 as per the 2016 emissions report
  - 22/07/2020 Inserted date 'obtained' from emissions report and inserted earliest known published date