

Lucas Heights 1
Licence Number: 4805
Licence Holder: EDL LFG (NSW) PTY LTD
Licencee Address: Lucas Heights 1, 542 - 600 New Illawarra Rd, Menai NSW 2234
Testing year 2020
Testing Frequency Modules to be tested once every 5 years. Supply line testing annually. Flare to be tested once every 5 years.
Testing Required Point 1 and Landfill Gas Supply Line



Location of Monitoring Point	Sampled	Obtained	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, Generator Module 1	1/04/20	8/05/20	14/05/20	Volumetric flowrate	Nm3/s	1	1	1.5		
				Temperature	°C	1	1	457		
				Velocity	m/s	1	1	26		
				Sulfuric acid mist and sulphur trioxide (as SO3)	mg/m3	1	1	4.7	100	No
				Sulphur dioxide	mg/m3	1	1	<5		
				Nitrogen Oxides (as NO2)	mg/m3	1	1	280	450	No
				Dry gas density	kg/Nm3	1	1	1.32		
				Molecular weight of stack gases	g/g-mole	1	1	29.6		
				Carbon dioxide	%	1	1	5.8		
				Moisture Content	%	1	1	8		
Carbon monoxide	mg/m3	1	1	680						
Discharge and Monitoring Point 6, LFG Supply Line - DN100 LFG Supply	1/04/20	8/05/20	14/05/20	Volatile organic compounds	mg/Nm3	1	1	450		
				Dry gas density	kg/Nm3	1	1	1.54		
				Molecular weight in supply line	g/g-mole	1	1	34.5		
				Carbon dioxide	%	1	1	39.5		
				Oxygen (O2)	%	1	1	1.3		
				Moisture Content	%	1	1	1.3		
				Temperature	°C	1	1	58		
				Velocity	m/s	1	1	130		
Volumetric flowrate	Nm3/s	1	1	3.5						

Note: Engines 2, 3 and 4 are no longer in use and have not been included in the testing schedule.

Change log	Date	Change
	14/07/20	Updated to include the site address, required testing frequency, units of measure for Molecular weight and Nitrogen Oxides.
	14/07/20	Updated to include relevant dates and a note to address apparent missing data.