

Lucas Heights 1  
 Licence Number: 4805  
 Licence Holder: EDL LFG (NSW) PTY LTD  
 Licensee Address: Lucas Heights 1, 542 - 600 New Illawarra Rd, Menai NSW 2234  
 Testing year: 2019  
 Testing Frequency: Modules to be tested once every 5 years. Supply line testing annually. Flare to be tested once every 5 years.  
 Testing Required: Generator Module 5 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 5, Generator Module 5	21/03/19	10/06/19	14/06/19	Volumetric flowrate	m3/s	1	1	1.3		
				Temperature	°C	1	1	471		
				Velocity	m/s	1	1	23		
				Sulfuric acid mist and sulphur trioxide (as SO3)	mg/m3	1	1	0.72	100	No
				Sulphur dioxide	mg/m3	1	1	<6		
				Nitrogen Oxides (as NO2)	mg/m3	1	1	450	450	No
				Dry gas density	kg/m3	1	1	1.32		
				Molecular weight of stack gases	g/g-mole	1	1	29.7		
				Carbon dioxide	%	1	1	6.4		
				Moisture Content	%	1	1	3.9		
Carbon monoxide	mg/m3	1	1	510						
Discharge and Monitoring Point 6, LFG Supply Line - DN100 LFG Supply	21/03/19	10/06/19	14/06/19	Volatile organic compounds	mg/m3	1	1	590		
				Dry gas density	kg/m3	1	1	1.55		
				Molecular weight in supply line	g/g-mole	1	1	34.7		
				Carbon dioxide	%	1	1	40.4		
				Oxygen	%	1	1	1.6		
				Moisture Content	%	1	1	1.9		
				Temperature	°C	1	1	58		
				Velocity	m/s	1	1	102		
Volumetric flowrate	m3/s	1	1	0.274						

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 a note to address apparent missing data.