

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 2024



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 4, Point 5 and Point 6

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 4, Generator Module 4	6/03/24	19/04/24	19/04/24	Volumetric flowrate	Nm3/s	1	1	1.66		
				Temperature	°C	1	1	472		
				Velocity	m/s	1	1	30.1		
				Sulfuric acid mist and sulphur trioxide (as SO3)	mg/m3	1	1	1.19	100	No
				Sulphur dioxide	mg/m3	1	1	4.8		
				Nitrogen Oxides (as NO2)	mg/m3	1	1	405	450	No
				Dry gas density	kg/Nm3	1	1	1.36		
				Molecular weight of stack gases	g/g-mole	1	1	30.15		
				Carbon dioxide	%	1	1	11.55		
				Moisture Content	%	1	1	8.9		
				Carbon monoxide	mg/m3	1	1	1060		
Discharge and Monitoring Point 5, Generator Module 5	6/03/24	19/04/24	19/04/24	Volumetric flowrate	Nm3/s	1	1	1.30		
				Temperature	°C	1	1	438		
				Velocity	m/s	1	1	23.2		
				Sulfuric acid mist and sulphur trioxide (as SO3)	mg/m3	1	1	1.55	100	No
				Sulphur dioxide	mg/m3	1	1	<2.9		
				Nitrogen Oxides (as NO2)	mg/m3	1	1	394	450	No
				Dry gas density	kg/Nm3	1	1	1.35		
				Molecular weight of stack gases	g/g-mole	1	1	30.13		
				Carbon dioxide	%	1	1	11.42		
				Moisture Content	%	1	1	11.3		
				Carbon monoxide	mg/m3	1	1	1360		
Discharge and Monitoring Point 6, LFG Supply Line - DN100 LFG Supply	6/03/24	19/04/24	19/04/24	Carbon dioxide	%	1	1	45		
				Dry gas density	kg/Nm3	1	1	1.31		
				Moisture Content	%	1	1	4.41		
				Molecular weight in supply line	g/g-mole	1	1	29.12		
				Oxygen (O2)	%	1	1	<0.5		
				Temperature	°C	1	1	57.5		
				Velocity	m/s	1	1	6.1		
				Volatile organic compounds	mg/Nm3	1	1	381.4		
Volumetric flowrate	Nm3/s	1	1	0.43						

Change Log:	17/05/24	Revision of volumetric flowrate values for Points 4 & 5. Revision of Total VOC values for Point 6.
-------------	----------	---