

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 2017

Testing Frequency Modules to be tested once every 5 years. Supply line testing annually. Flare to be tested once every 5 years.

Testing Required LFG Supply line and Flare

Location of Monitoring Point	Sampled	Obtained	Published	Pollutant	Units	Limit	No. Samples Required	No. Samples	Min. Value	Mean Value	Max. Value	Exceedance (Yes/No)
Discharge and Monitoring Point 6, LFG Supply Line - DN100 LFG Supply	27/03/17	12/06/17	14/06/17	Carbon dioxide	%		1	1	35			
	27/03/17	12/06/17	14/06/17	Dry gas density	kg/Nm3		1	1	1.50E-06			
	27/03/17	12/06/17	14/06/17	Moisture Content	%		1	1	15			
	27/03/17	12/06/17	14/06/17	Molecular weight of stack gases	g/g-mole		1	1	31.3			
	27/03/17	12/06/17	14/06/17	Oxygen (O2)	%		1	1	2.3			
	27/03/17	12/06/17	14/06/17	Temperature	Degrees Celsius		1	1	55			
	27/03/17	12/06/17	14/06/17	Velocity	m/s		1	1	1.81			
	27/03/17	12/06/17	14/06/17	Volatile organic compounds (as n-propane)	mg/m3		1	1	276.379			
27/03/17	12/06/17	14/06/17	Volumetric flowrate	m3/s		1	1	0.128				
Flare	27/03/17	12/06/17	14/06/17	Exhaust Velocity	m/s		1	1	5.34			
	27/03/17	12/06/17	14/06/17	temperature	Degrees Celsius	≥760	1	1	885			No
	27/03/17	12/06/17	14/06/17	Volumetric flow rate	m3/s		1	1	3.08			
	27/03/17	12/06/17	14/06/17	Residence time	s	≥0.6	1	1	1.09			No

Change log	Date	Change
	14/07/20	Updated to include the site address and required testing frequency.
	15/07/20	Site name amended to Lucas Heights '1'