

**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** 2016

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

**Testing Required** Module 3 and LFG Supply line

Location of Monitoring Point	Sampled	Obtained	Published	Pollutant	Units	Limit	No. Samples Required	No. Samples	Min. Value	Mean Value	Max. Value
Discharge and Monitoring Point 3, Generator Module 3	29/02/16	13/04/16	28/04/16	Carbon dioxide	%		1	1		7.2	
	29/02/16	13/04/16	28/04/16	Carbon monoxide	mg/m3		1	1		588	
	29/02/16	13/04/16	28/04/16	Dry gas density	kg/m3		1	1		1.32	
	29/02/16	13/04/16	28/04/16	Moisture Content	%		1	1		4.4	
	29/02/16	13/04/16	28/04/16	Molecular weight of stack gases	g/g-mole		1	1		29.6	
	29/02/16	13/04/16	28/04/16	Nitrogen oxides	mg/m3	<450	1	1		347	
	29/02/16	13/04/16	28/04/16	Oxygen (O2)	%		1	1		11.9	
	29/02/16	13/04/16	28/04/16	Sulfuric acid mist and sulfur trioxide (as SO3)	mg/m3	<100	1	1		<0.02	
	29/02/16	13/04/16	28/04/16	Sulphur dioxide	mg/m3		1	1		<0.01	
	29/02/16	13/04/16	28/04/16	Temperature	Degrees Celsius		1	1		471.0	
	29/02/16	13/04/16	28/04/16	Velocity	m/s		1	1		44	
	29/02/16	13/04/16	28/04/16	Volumetric flowrate	m3/s		1	1		3.3	
Discharge and Monitoring Point 6, LFG Supply Line - DN100 LFG Supply	29/02/16	13/04/16	28/04/16	Carbon dioxide	%		1	1		23.8	
	29/02/16	13/04/16	28/04/16	Dry gas density	kg/m3		1	1		1.4	
	29/02/16	13/04/16	28/04/16	Moisture Content	%		1	1		15.5	
	29/02/16	13/04/16	28/04/16	Molecular weight of stack gases	g/g-mole		1	1		18	
	29/02/16	13/04/16	28/04/16	Oxygen (O2)	%		1	1		7	
	29/02/16	13/04/16	28/04/16	Temperature	Degrees Celsius		1	1		55	
	29/02/16	13/04/16	28/04/16	Velocity	m/s		1	1		2.36	
	29/02/16	13/04/16	28/04/16	Volatile organic compounds (as n-propane)	mg/m3		1	1		79	
	29/02/16	13/04/16	28/04/16	Volumetric flowrate	m3/s		1	1		0.167	
29/02/16	13/04/16	28/04/16	Methane Content	mg/m3		1	1		344000		

Change log	Date	Change
	14/07/20	Updated to include the site address and required testing frequency.
	15/07/2020	Site name amended to Lucas Heights '1'