

Lucas Heights 2

Licence Number: 6345

Licence Holder: EDL LFG (NSW) PTY LTD

Licencee Address: Lucas Heights 2

Testing year 2018

Testing Required Engine 3 and LFG Supply Line

Testing Frequency Engines (1-20) and the Flare are required to be tested once every 5 years. The Gas Supply Line is required to be tested whenever engines are also tested.

Location of Monitoring Point	Sampled	Obtained	Published	Frequency	Pollutant	Units of Measure	No. Samples Required by Licence	No. Samples collected	Licence Limit	Value	Excedance (Yes/No)
Discharge and Monitoring Point 3, Discharge to air, Gas engine exhaust stack labelled 'G103' on drawing number 840-BA-048, Rev A	26/03/18	28/05/18	28/05/18	Once every 5 years	Carbon dioxide	%	1	1		10.4	
					Carbon monoxide	mg/Nm3	1	1		791.861	
					Dry gas density	mg/Nm3	1	1		1,338,354	
					Moisture Content	%	1	1		9.57	
					Molecular weight of stack gases (dry)	g/g-mole	1	1		30	
					Nitrogen oxides	mg/Nm3	1	1	450	447.537	No
					Oxygen (O2)	%	1	1		7.72	
					Sulfuric acid mist and sulfur trioxide (as SO3)	mg/Nm3	1	1	100	86.379	No
					Sulphur dioxide	mg/Nm3	1	1		32.56	
					Temperature	Degrees Celsius	1	1		490	
					Velocity	m/s	1	1		23	
					Volumetric flowrate	Nm ³ /s	1	1		0.933	
Discharge and Monitoring Point 21, Gas Supply Monitoring, LFG Supply Line to gas engines labelled 'LFG SUPPLY LINE' on drawing 840-BA-048, Rev A	26/03/18	11/06/18	15/06/18	Point 21 must be monitored any year when any of the Points 1-20 are monitored	Carbon dioxide	%	1	1		28.5	
					Dry gas density	mg/Nm3	1	1		1,456,429	
					Moisture Content	%	1	1		15.6	
					Molecular weight of stack gases (dry)	g/g-mole	1	1		32.6	
					Oxygen (O2)	%	1	1		1.6	
					Temperature	Degrees Celsius	1	1		50	
					Velocity	m/s	1	1		5.11	
					Volatile organic compounds (as non-methane)	mg/Nm3	1	1		0.337	
					Volumetric flowrate	Nm3/s	1	1		0.271	

Change Log

Date Change

15/06/2018 Point 21 LFG Supply Line information updated by air emissions consultancy on 11/06/18. Data republished 15/06/18

23/07/2020 Included frequency of sampling into the data sheet

23/07/2020 Corrected to 'trioxide' from 'trioide'