

Lucas Heights 2
 Licence Number: 6345
 Licence Holder: EDL LFG (NSW) PTY LTD
 Licensee Address: Lucas Heights 2
 Testing Year 2021
 Testing Required EPA Point 6, 8 and 21
 Tesing 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	Pollutant	Units of Measure	No. Samples Required by Licence	No. Samples collected and Analysed	Value	Licence Limit	Excedance (Yes/No)
Discharge and Monitoring Point 6, Discharge to air, Gas engine exhaust stack labelled 'G106' on drawing number 840-BA-048, Rev A	15/02/21	22/04/21	26/04/21	Carbon dioxide	%	1	1	11.2		
	15/02/21	22/04/21	26/04/21	Carbon monoxide	mg/m ³	1	1	1200		
	15/02/21	22/04/21	26/04/21	Dry gas density	Kg/m ³	1	1	1.35		
	15/02/21	22/04/21	26/04/21	Moisture content	%	1	1	11		
	15/02/21	22/04/21	26/04/21	Molecular weight of stack gases	g/g mol	1	1	30.2		
	15/02/21	22/04/21	26/04/21	Nitrogen Oxides (as NO2)	mg/m ³	1	1	350	450	No
	15/02/21	22/04/21	26/04/21	Oxygen	%	1	1	7.7		
	15/02/21	22/04/21	26/04/21	Sulfuric acid mist and sulphur trioxide (as SO3)	mg/m ³	1	1	0.94	100	No
	15/02/21	22/04/21	26/04/21	Sulphur dioxide	mg/m ³	1	1	11		
	15/02/21	22/04/21	26/04/21	Temperature	°C	1	1	537		
Discharge and Monitoring Point 8, Discharge to air, Gas engine exhaust stack labelled 'G108' on drawing number 840-BA-048, Rev A	15/02/21	22/04/21	26/04/21	Carbon dioxide	%	1	1	11.3		
	15/02/21	22/04/21	26/04/21	Carbon monoxide	mg/m ³	1	1	910		
	15/02/21	22/04/21	26/04/21	Dry gas density	Kg/m ³	1	1	1.35		
	15/02/21	22/04/21	26/04/21	Moisture content	%	1	1	8.9		
	15/02/21	22/04/21	26/04/21	Molecular weight of stack gases	g/g mol	1	1	30.2		
	15/02/21	22/04/21	26/04/21	Nitrogen Oxides (as NO2)	mg/m ³	1	1	320	450	No
	15/02/21	22/04/21	26/04/21	Oxygen	%	1	1	7.6		
	17/03/21	22/04/21	26/04/21	Sulfuric acid mist and sulphur trioxide (as SO3)	mg/m ³	1	1	1.2	100	No
	15/02/21	22/04/21	26/04/21	Sulphur dioxide	mg/m ³	1	1	43		
	15/02/21	22/04/21	26/04/21	Temperature	°C	1	1	503		
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	15/02/21	22/04/21	26/04/21	Carbon dioxide	%	1	1	41.3		
	15/02/21	22/04/21	26/04/21	Dry gas density	mg/m ³	1	1	1.55		
	15/02/21	22/04/21	26/04/21	Moisture content	%	1	1	1.4		
	15/02/21	22/04/21	26/04/21	Molecular weight of stack gases	g/g mol	1	1	34.8		
	15/02/21	22/04/21	26/04/21	Oxygen	%	1	1	1.2		
	15/02/21	22/04/21	26/04/21	Temperature	°C	1	1	74		
	15/02/21	22/04/21	26/04/21	Velocity	m/s	1	1	140		
	17/02/21	22/04/21	26/04/21	Volatile organic compounds	mg/m ³	1	1	330		
	15/02/21	16/05/22	16/05/22	Volumetric flowrate	m ³ /s	1	1	2		

Change Log

Date Change
 16/05/2022 Updated Volumetric flowrate to corrected value. Pipe width was corrected in calculation.