

Eastern Creek Power Station

Licence Number: 10042

Licence Holder: EDL LFG (NSW) PTY LTD

Licencee Address: Eastern Creek Waste Management Centre, Wallgrove Road, Eastern Creek NSW 2766

Testing year: 2017

Testing Required Discharge and Monitoring Point: Unit 2, LFG Supply Line.

Testing Frequency

Engine exausts and the Flare are to be sampled once every 5 years. The Gas Supply Line is to be sampled in any year that engine exhausts are sampled.

Location of Monitoring Point	Sampled	Obtained	Published	Pollutant	Units of Measure	Licence Limit	No. Samples Required by Licence	No. Samples collected and Analysed	Value
Discharge and Monitoring Point 2, Unit 2 - Air Emissions Monitoring. Discharge to air, Gas engine exhaust stack labelled GM2 on drawing number 902-BA-002 Rev 0.	27/03/17	14/06/17	27/06/17	Carbon dioxide	Percent		1	1	7.49
	27/03/17	14/06/17	27/06/17	Carbon monoxide	Milligrams per cubic metre		1	1	816.501
	27/03/17	14/06/17	27/06/17	Dry gas density	Milligrams per cubic metre		1	1	1321796
	27/03/17	14/06/17	27/06/17	Moisture Content	Percent		1	1	4.19
	27/03/17	14/06/17	27/06/17	Molecular weight of stack gases	Grams per gram mole		1	1	29.6
	27/03/17	14/06/17	27/06/17	Nitrogen Oxides	Milligrams per cubic metre	<450	1	1	256.597
	27/03/17	14/06/17	27/06/17	Oxygen (O2)	Percent		1	1	10.2
	27/03/17	14/06/17	27/06/17	Sulfuric acid mist and sulfur trioxide (as SO3)	Milligrams per cubic metre	<100	1	1	1.163
	27/03/17	14/06/17	27/06/17	Sulphur dioxide	Milligrams per cubic metre		1	1	0.182
	27/03/17	14/06/17	27/06/17	Temperature	Degrees Celsius		1	1	415
	27/03/17	14/06/17	27/06/17	Velocity	Metres per second		1	1	29.4
	27/03/17	14/06/17	27/06/17	Volumetric flowrate	Cubic metres per second		1	1	0.793
	27/03/17	14/06/17	27/06/17	Combustion Efficiency	Percent				99.1
Discharge and Monitoring Point 5, LFG Supply Line - Air monitoring in gas supply line, Landfill gas supply line labelled supply gas on drawing number 902-BA-001 Rev 2	27/03/17	14/06/17	27/06/17	Carbon dioxide	Percent		1	1	29.5
	27/03/17	14/06/17	27/06/17	Dry gas density	Milligrams per cubic metre		1	1	1510000
	27/03/17	14/06/17	27/06/17	Moisture Content	Percent		1	1	15
	27/03/17	14/06/17	27/06/17	Molecular weight of stack gases	Grams per gram mole		1	1	31.4
	27/03/17	14/06/17	27/06/17	Oxygen (O2)	Percent		1	1	3.5
	27/03/17	14/06/17	27/06/17	Temperature	Degrees Celsius		1	1	55
	27/03/17	14/06/17	27/06/17	Velocity	Metres per second		1	1	2.95
	27/03/17	14/06/17	27/06/17	Volatile organic compounds (as n-propane)	Milligrams per cubic metre		1	1	85.283
	27/03/17	14/06/17	27/06/17	Volumetric flowrate	Cubic metres per second		1	1	0.208

Change Log

Date Change

- 23/07/2020 Removed Testing personnell - not required
- 23/07/2020 Corrected Sulfur trioxide from 'sulfur trioxide'
- 23/07/2020 Inserted Testing Frequency for monitoring points