

Eastern Creek Power Station

Licence Number: 10042

Licence Holder: EDL LFG (NSW) PTY LTD

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

Testing year: 2013

Testing Required Discharge and Monitoring Point: Unit 2, Unit 3, LFG Supply Line.

Location of Monitoring Point	Sampled	Obtained	Published	Pollutant	Units of Measure	Licence Limit	No. Samples Required by Licence	No. Samples you collected and Analysed	Min. Value	Mean Value	Max. Value
Discharge and Monitoring Point 1, Unit 1 - Air emissions monitoring. Discharge to air, Gas engine exhaust stack labelled GM1 on drawing number 902-BA-002 Rev 0	Unit has not run in the past 12 months. To be tested if online during testing in 2014.										
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.	7/05/13	3/07/13	16/07/13	Carbon dioxide	Percent		1	1	11.5	11.6	11.6
	7/05/13	3/07/13	16/07/13	Carbon monoxide	Milligrams per cubic metre		1	1	600	610	630
	7/05/13	3/07/13	16/07/13	Dry gas density	Kilograms per cubic metre		1	1	1.35		
	7/05/13	3/07/13	16/07/13	Moisture Content	Percent		1	1	4.1		
	7/05/13	3/07/13	16/07/13	Molecular weight of stack gases	Grams per gram mole		1	1	29.8 (wet) 30.3 (dry)		
	7/05/13	3/07/13	16/07/13	Nitrogen Oxides	Milligrams per cubic metre	<450	1	1		440	
	7/05/13	3/07/13	16/07/13	Oxygen (O2)	Percent		1	1	7.2	7.3	7.3
	7/05/13	3/07/13	16/07/13	Sulfuric acid mist and sulfur trioxide (as SO3)	Milligrams per cubic metre	<100	1	1	6.1		
	7/05/13	3/07/13	16/07/13	Sulphur dioxide	Milligrams per cubic metre		1	1	5.8	5.8	5.8
	7/05/13	3/07/13	16/07/13	Temperature	Degrees Celsius		1	1	460		
	7/05/13	3/07/13	16/07/13	Velocity	Metres per second		1	1	29		
	7/05/13	3/07/13	16/07/13	Volatile organic compounds (as n-propane)	Milligrams per cubic metre		1	1	0.11		
	7/05/13	3/07/13	16/07/13	Volumetric flowrate	Cubic metres per second		1	1	1.9		

Location of Monitoring Point	Sampled	Obtained	Published	Pollutant	Units of Measure	Licence Limit	No. Samples Required by Licence	No. Samples you collected and Analysed	Min. Value	Mean Value	Max. Value
Discharge and Monitoring Point 3, Unit 3 - Air emissions monitoring. Discharge to air, Gas engine exhaust stack labelled GM3 on drawing number 902-BA-002 Rev 0.	7/05/13	3/07/13	16/07/13	Carbon dioxide	Percent		1	1	11.2	11.3	11.6
	7/05/13	3/07/13	16/07/13	Carbon monoxide	Milligrams per cubic metre		1	1	520	540	570
	7/05/13	3/07/13	16/07/13	Dry gas density	Kilograms per cubic metre		1	1	1.35		
	7/05/13	3/07/13	16/07/13	Moisture Content	Percent		1	1	4.4		
	7/05/13	3/07/13	16/07/13	Molecular weight of stack gases	Grams per gram mole		1	1	29.7 (wet) 30.2 (dry)		
	7/05/13	3/07/13	16/07/13	Nitrogen oxides	Milligrams per cubic metre	<450	1	1		410	
	7/05/13	3/07/13	16/07/13	Oxygen (O2)	Percent		1	1	7.1	7.4	7.8
	7/05/13	3/07/13	16/07/13	Sulfuric acid mist and sulfur trioxide (as SO3)	Milligrams per cubic metre	<100	1	1	8.9		
	7/05/13	3/07/13	16/07/13	Sulphur dioxide	Milligrams per cubic metre		1	1	5.9	5.9	5.9
	7/05/13	3/07/13	16/07/13	Temperature	Degrees Celsius		1	1	445.9		
	7/05/13	3/07/13	16/07/13	Velocity	Metres per second		1	1	28		
	7/05/13	3/07/13	16/07/13	Volatile organic compounds (as n-propane)	Milligrams per cubic metre		1	1	0.041		
	7/05/13	3/07/13	16/07/13	Volumetric flowrate	Cubic metres per second		1	1	1.8		
Discharge and Monitoring Point 4, Unit 4 - Air emissions monitoring. Discharge to air. Gas engine exhaust stack labelled GM4 on drawing number 902-BA-002 Rev 0	Unit only ran a few times in 2013. Not online at the time of testing. To be tested if online during testing in 2014.										

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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	7/05/13	3/07/13	16/07/13	Carbon dioxide	Percent		1	1	30.5	30.9	31.5
	7/05/13	3/07/13	16/07/13	Dry gas density	Kilograms per cubic metre		1	1	-		
	7/05/13	3/07/13	16/07/13	Moisture Content	Percent		1	1	-		
	7/05/13	3/07/13	16/07/13	Molecular weight of stack gases	Grams per gram mole		1	1	-		
	7/05/13	3/07/13	16/07/13	Oxygen (O2)	Percent		1	1	1	1.1	1.3
	7/05/13	3/07/13	16/07/13	Temperature	Degrees Celsius		1	1	-		
	7/05/13	3/07/13	16/07/13	Velocity	Metres per second		1	1	-		
	7/05/13	3/07/13	16/07/13	Volatile organic compounds (as n-propane)	Milligrams per cubic metre		1	1	48		
	7/05/13	3/07/13	16/07/13	Volumetric flowrate	Cubic metres per second		1	1	-		