

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: 2018

Testing Required Discharge and Monitoring Point: Unit 3, Unit 4, LFG Supply Line.

Testing Frequency Engine exhausts 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	Date Sampled	Date Obtained	Date Published	Frequency	Pollutant	Units of Measure	Licence Limit	No. Samples Required by Licence	No. Samples collected and Analysed	Value	Exceedance (Yes/No)
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.	28/03/18	18/06/18	27/06/18	Point 1-4 and 6 must be sampled every 5 years	Carbon dioxide	%		1	1	11.7	
	28/03/18	18/06/18	27/06/18		Carbon monoxide	mg/Nm ³		1	1	649.777	
	28/03/18	18/06/18	27/06/18		Dry gas density	mg/Nm ³		1	1	1346822	
	28/03/18	18/06/18	27/06/18		Moisture Content	%		1	1	7.4	
	28/03/18	18/06/18	27/06/18		Molecular weight of stack gases	g/g-mol		1	1	30.2	
	28/03/18	18/06/18	27/06/18		Nitrogen oxides	mg/Nm ³	<450	1	1	346.043	No
	28/03/18	18/06/18	27/06/18		Oxygen (O2)	%		1	1	7.5	
	28/03/18	18/06/18	27/06/18		Sulfuric acid mist and sulfur trioxide (as SO ₃)	mg/Nm ³	<100	1	1	63.174	No
	28/03/18	18/06/18	27/06/18		Sulphur dioxide	mg/Nm ³		1	1	1.226	
	28/03/18	18/06/18	27/06/18		Temperature	°C		1	1	430	
	28/03/18	18/06/18	27/06/18		Velocity	m/s		1	1	39.4	
	28/03/18	18/06/18	27/06/18		Volumetric flowrate	Nm ³ /s		1	1	1.01	
28/03/18	18/06/18	27/06/18	Destruction Efficiency	%	>98%	0	1	99.6			
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	28/03/18	18/06/18	27/06/18	Point 1-4 and 6 must be sampled every 5 years	Carbon dioxide	%		1	1	12.8	
	28/03/18	18/06/18	27/06/18		Carbon monoxide	mg/Nm ³		1	1	362.476	
	28/03/18	18/06/18	27/06/18		Dry gas density	mg/Nm ³		1	1	1352886	
	28/03/18	18/06/18	27/06/18		Moisture Content	%		1	1	7.71	
	28/03/18	18/06/18	27/06/18		Molecular weight of stack gases	g/g-mol		1	1	30.3	
	28/03/18	18/06/18	27/06/18		Nitrogen oxides	mg/Nm ³	<450	1	1	348.413	No
	28/03/18	18/06/18	27/06/18		Oxygen (O2)	%		1	1	6.23	
	28/03/18	18/06/18	27/06/18		Sulfuric acid mist and sulfur trioxide (as SO ₃)	mg/Nm ³	<100	1	1	43.89	No
	28/03/18	18/06/18	27/06/18		Sulphur dioxide	mg/Nm ³		1	1	1.227	
	28/03/18	18/06/18	27/06/18		Temperature	°C		1	1	445	
	28/03/18	18/06/18	27/06/18		Velocity	m/s		1	1	32.5	
	28/03/18	18/06/18	27/06/18		Volumetric flowrate	Nm ³ /s		1	1	0.81	
28/03/18	18/06/18	27/06/18	Destruction Efficiency	%	>98%	0	1	99.8			
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	28/03/18	18/06/18	27/06/18	Point 5 must be sampled on any year whenever points 1-4 are sampled	Carbon dioxide	%		1	1	28.6	
	28/03/18	18/06/18	27/06/18		Dry gas density	mg/Nm ³		1	1	1047622	
	28/03/18	18/06/18	27/06/18		Moisture Content	%		1	1	16	
	28/03/18	18/06/18	27/06/18		Molecular weight of stack gases	g/g-mol		1	1	23.5	
	28/03/18	18/06/18	27/06/18		Oxygen (O2)	%		1	1	3	
	28/03/18	18/06/18	27/06/18		Temperature	°C		1	1	50	
	28/03/18	18/06/18	27/06/18		Velocity	m/s		1	1	3.16	
	28/03/18	18/06/18	27/06/18		Volatile organic compounds (as n-propane)	mg/Nm ³		1	1	0.014	
	28/03/18	18/06/18	27/06/18		Volumetric flowrate	Nm ³ /s		1	1	0.111	

Change Log

- Date Change
- 23/07/2020 Amended Frequency column for current year's samples to match the licence requirement
 - 23/07/2020 Inserted Testing Frequency for all monitoring points
 - 23/07/2020 Corrected Sulfur trioxide from 'sulfur trioxide'
 - 23/07/2020 Corrected number of samples required for destruction efficiency for Points 3 and 4
 - 23/07/2020 Removed Volatile organic compounds for Points 3 and 4 as no sample was required or analysed