

Mandalong Waste Coal Mine Gas Power Station

Licence Number: 21230
 Licence Holder: EDL CSM (NSW) PTY LTD
 Licensee Address: Mandalong Power Station Lot 5 Kerry Anderson Drive, Mandalong NSW 2264
 Testing year: 2024
 Testing required: Engines 1 -4
 Testing frequency: Engines 1 - 4 Annually



Location of Monitoring Point	Date Sampled	Date Obtained	Date Published	Pollutant	Units of Measure	No. Samples Required by Licence	No. Samples collected and Analysed	Value (Corrected to 3% o2)	Licence Limit	Exceedance (Yes/No)
EPA identification no. 1, located on Exhaust stack Unit 4	30/01/24	01/03/24	05/03/24	Dry gas density	kg/m ³	1	1	1.32		
				Moisture content	%	1	1	14		
				Molecular weight of stack gases	g/gram mole	1	1	29.6		
				Nitrogen Oxides	mg/m ³	1	1	420	450	No
				Oxygen (O2) concentration	%	1	1	9.3		
				Temperature	°C	1	1	435		
				Velocity	m/s	1	1	39		
Volumetric flow rate	m ³ /s	1	1	2.7						
EPA identification no. 2, located on Exhaust stack Unit 3	30/01/24	01/03/24	05/03/24	Dry gas density	kg/m ³	1	1	1.32		
				Moisture content	%	1	1	18		
				Molecular weight of stack gases	g/gram mole	1	1	29.6		
				Nitrogen Oxides	mg/m ³	1	1	420	450	No
				Oxygen (O2) concentration	%	1	1	8.9		
				Temperature	°C	1	1	425		
				Velocity	m/s	1	1	34		
Volumetric flow rate	m ³ /s	1	1	2.2						
EPA identification no. 3, located on Exhaust stack Unit 2	30/01/24	01/03/24	05/03/24	Dry gas density	kg/m ³	1	1	1.32		
				Moisture content	%	1	1	18		
				Molecular weight of stack gases	g/gram mole	1	1	29.6		
				Nitrogen Oxides	mg/m ³	1	1	420	450	No
				Oxygen (O2) concentration	%	1	1	8.9		
				Temperature	°C	1	1	425		
				Velocity	m/s	1	1	33		
Volumetric flow rate	m ³ /s	1	1	2.1						
EPA identification no. 4, located on Exhaust stack Unit 1	22/03/24	05/04/24	16/04/24	Dry gas density	kg/m ³	1	1	1.32		
				Moisture content	%	1	1	15		
				Molecular weight of stack gases	g/gram mole	1	1	29.6		
				Nitrogen Oxides	mg/m ³	1	1	400	450	No
				Oxygen (O2) concentration	%	1	1	9		
				Temperature	°C	1	1	429		
				Velocity	m/s	1	1	33		
Volumetric flow rate	m ³ /s	1	1	2.2						

Change Log

Date	Change
April 16, 2024	Addition of emission values from Exhaust Stack 4 (Sampled March 22, 2024) Location IDs have been revised