

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: FY24  
 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% O <sub>2</sub> )	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 <sup>3</sup>	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 <sup>3</sup>	1	1	420	450	No
				Oxygen (O <sub>2</sub> ) concentration	%	1	1	9.3		
				Temperature	°C	1	1	435		
				Velocity	m/s	1	1	39		
				Volumetric flow rate	m <sup>3</sup> /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 <sup>3</sup>	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 <sup>3</sup>	1	1	420	450	No
				Oxygen (O <sub>2</sub> ) concentration	%	1	1	8.9		
				Temperature	°C	1	1	425		
				Velocity	m/s	1	1	34		
				Volumetric flow rate	m <sup>3</sup> /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 <sup>3</sup>	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 <sup>3</sup>	1	1	420	450	No
				Oxygen (O <sub>2</sub> ) concentration	%	1	1	8.9		
				Temperature	°C	1	1	425		
				Velocity	m/s	1	1	33		
				Volumetric flow rate	m <sup>3</sup> /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 <sup>3</sup>	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 <sup>3</sup>	1	1	400	450	No
				Oxygen (O <sub>2</sub> ) concentration	%	1	1	9		
				Temperature	°C	1	1	429		
				Velocity	m/s	1	1	33		
				Volumetric flow rate	m <sup>3</sup> /s	1	1	2.2		