

Glennies Creek Waste Coal Mine Gas Power Station

Licence Number: 12614  
 Licence Holder: EDL (OCI) Pty Limited  
 Licensee Address: Cnr Nobles Land & Middle Falbrook Road, SINGLETON NSW 2330  
 Testing year: 2017  
 Testing required: Approximately half the engines on an annual basis

Location of Monitoring Point	Frequency	Sampled	Obtained	Published	Pollutant	Units of Measure	Licence Limit	Value	Exceedance (Yes/No)
Discharge and Monitoring Point 1, Air emissions, Emissions from Engine Number One	Point 1-6 in odd year, Point 7-12 in even year	27/04/2017	2/06/2017	5/06/2017	Dry gas density	kg/m3		1.31	
					Moisture Content	%		4.93	
					Molecular weight of stack gases	g/gmol		29.4	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	398.286	No
					Oxygen (O2)	%		9.25	
					Temperature	°C		427	
					Velocity	m/s		38.6	
Volumetric flowrate	m3/s		1.02						
Discharge and Monitoring Point 2, Air emissions, Emissions from Engine Number Two	Point 1-6 in odd year, Point 7-12 in even year	27/04/2017	2/06/2017	5/06/2017	Dry gas density	kg/m3		1.31	
					Moisture Content	%		5.13	
					Molecular weight of stack gases	g/gmol		29.3	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	445.044	No
					Oxygen (O2)	%		9.13	
					Temperature	°C		450	
					Velocity	m/s		41.4	
Volumetric flowrate	m3/s		1.05						
Discharge and Monitoring Point 3, Air emissions, Emissions from Engine Number Three	Point 1-6 in odd year, Point 7-12 in even year	27/04/2017	2/06/2017	5/06/2017	Dry gas density	kg/m3		1.31	
					Moisture Content	%		4.75	
					Molecular weight of stack gases	g/gmol		29.3	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	412.503	No
					Oxygen (O2)	%		9.11	
					Temperature	°C		440	
					Velocity	m/s		40.7	
Volumetric flowrate	m3/s		1.06						
Discharge and Monitoring Point 4, Air emissions, Emissions from Engine Number four	Point 1-6 in odd year, Point 7-12 in even year	27/04/2017	2/06/2017	5/06/2017	Dry gas density	kg/m3		1.31	
					Moisture Content	%		4.80	
					Molecular weight of stack gases	g/gmol		29.3	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	433.832	No
					Oxygen (O2)	%		9.64	
					Temperature	°C		450	
					Velocity	m/s		37.8	
Volumetric flowrate	m3/s		0.966						
Discharge and Monitoring Point 5, Air emissions, Emissions from Engine Number five	Point 1-6 in odd year, Point 7-12 in even year	27/04/2017	2/06/2017	5/06/2017	Dry gas density	kg/m3		1.31	
					Moisture Content	%		4.57	
					Molecular weight of stack gases	g/gmol		29.3	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	420.408	No
					Oxygen (O2)	%		8.90	
					Temperature	°C		440	
					Velocity	m/s		36.6	
Volumetric flowrate	m3/s		0.950						
Discharge and Monitoring Point 6, Air emissions, Emissions from Engine Number six	Point 1-6 in odd year, Point 7-12 in even year	27/04/2017	2/06/2017	5/06/2017	Dry gas density	kg/m3		1.31	
					Moisture Content	%		5.13	
					Molecular weight of stack gases	g/gmol		29.3	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	435.917	No
					Oxygen (O2)	%		9.53	
					Temperature	°C		450	
					Velocity	m/s		39.4	
Volumetric flowrate	m3/s		1.01						
Discharge and Monitoring Point 12, Air emissions, Emissions from Engine Number twelve	Point 1-6 in odd year, Point 7-12 in even year	27/04/2017	2/06/2017	5/06/2017	Dry gas density	kg/Nm3		1.31	
					Moisture Content	%		6.08	
					Molecular weight of stack gases	g/g-mol		29.3	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	365.579	No
					Oxygen (O2)	%		9.64	
Temperature	°C		450						

				Velocity	m/s		36.7	
				Volumetric flowrate	Nm3/s		0.926	

Note the application for addition of Engine 12 was made in 7/7/15  
 Note the approval for the addition of Engine 12 was granted on 8/09/15  
 Note Engine 12 was tested for the first time in 2017 then each even numbered year

Change Log

Date	Change
22/07/2020	Included testing required by licence in data sheet
22/07/2020	Included sampled date, obtained date published date and changed date column title to 'Value'
22/07/2020	Added notes to address additional data for Engine 12