

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: 2015
 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	27/03/2015	2/04/2015	28/04/2016	Dry gas density	kg/m3		1.31	
					Moisture Content	%		7.3	
					Molecular weight of stack gases	g/gmol		29.4	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	370	No
					Oxygen (O2)	%		10.3	
					Temperature	°C		417	
					Velocity	m/s		44.8	
					Volumetric flowrate	m3/s		1.16	
Discharge and Monitoring Point 2, Air emissions, Emissions from Engine Number Two	Point 1-6 in odd year, Point 7-12 in even year	27/03/2015	2/04/2015	28/04/2016	Dry gas density	kg/m3		1.32	
					Moisture Content	%		10	
					Molecular weight of stack gases	g/gmol		29.5	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	397	No
					Oxygen (O2)	%		9.7	
					Temperature	°C		443	
					Velocity	m/s		42.4	
					Volumetric flowrate	m3/s		1.03	
Discharge and Monitoring Point 3, Air emissions, Emissions from Engine Number Three	Point 1-6 in odd year, Point 7-12 in even year	27/03/2015	2/04/2015	28/04/2016	Dry gas density	kg/m3		1.33	
					Moisture Content	%		9.2	
					Molecular weight of stack gases	g/gmol		29.9	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	390	No
					Oxygen (O2)	%		9.8	
					Temperature	°C		446	
					Velocity	m/s		43.2	
					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	27/03/2015	2/04/2015	28/04/2016	Dry gas density	kg/m3		1.32	
					Moisture Content	%		8.3	
					Molecular weight of stack gases	g/gmol		29.5	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	427	No
					Oxygen (O2)	%		9.6	
					Temperature	°C		445	
					Velocity	m/s		44.4	
					Volumetric flowrate	m3/s		1.09	
Discharge and Monitoring Point 5, Air emissions, Emissions from Engine Number five	Point 1-6 in odd year, Point 7-12 in even year	27/03/2015	2/04/2015	28/04/2016	Dry gas density	kg/m3		1.31	
					Moisture Content	%		7.4	
					Molecular weight of stack gases	g/gmol		29.4	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	422	No
					Oxygen (O2)	%		10.7	
					Temperature	°C		425	
					Velocity	m/s		43.9	
					Volumetric flowrate	m3/s		1.13	
Discharge and Monitoring Point 6, Air emissions, Emissions from Engine Number six	Point 1-6 in odd year, Point 7-12 in even year	27/03/2015	2/04/2015	28/04/2016	Dry gas density	kg/m3		1.32	
					Moisture Content	%		8.8	
					Molecular weight of stack gases	g/gmol		29.7	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	431	No
					Oxygen (O2)	%		10.2	
					Temperature	°C		425	
Velocity	m/s		45.7						

					Volumetric flowrate	m3/s		1.16	
Discharge and Monitoring Point 7, Air emissions, Emissions from Engine Number Seven	Point 1-6 in odd year, Point 7-12 in even year	27/03/2015	2/04/2015	28/04/2016	Dry gas density	kg/Nm3		1.31	
					Moisture Content	%		9	
					Molecular weight of stack gases	g/g-mol		29.5	
					Nitrogen Oxides	mg/Nm3	<450 Dry 273K 101.3kPa 3% O2 correction	437	No
					Oxygen (O2)	%		10	
					Temperature	°C		430	
					Velocity	m/s		44.6	
					Volumetric flowrate	Nm3/s		1.12	
Discharge and Monitoring Point 8, Air emissions, Emissions from Engine Number Eight	Point 1-6 in odd year, Point 7-12 in even year	27/03/2015	2/04/2015	28/04/2016	Dry gas density	kg/Nm3		1.31	
					Moisture Content	%		10	
					Molecular weight of stack gases	g/g-mol		29.4	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	436	No
					Oxygen (O2)	%		10.1	
					Temperature	°C		438	
					Velocity	m/s		45.2	
					Volumetric flowrate	Nm3/s		1.1	
Discharge and Monitoring Point 9, Air emissions, Emissions from Engine Number Nine	Point 1-6 in odd year, Point 7-12 in even year	27/03/2015	2/04/2015	28/04/2016	Dry gas density	kg/m3		1.31	
					Moisture Content	%		9.6	
					Molecular weight of stack gases	g/g-mol		29.4	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	404	No
					Oxygen (O2)	%		10.3	
					Temperature	°C		423	
					Velocity	m/s		51	
					Volumetric flowrate	Nm3/s		1.28	
Discharge and Monitoring Point 10, Air emissions, Emissions from Engine Number Ten	Point 1-6 in odd year, Point 7-12 in even year	27/03/2015	2/04/2015	28/04/2016	Dry gas density	kg/Nm3		1.31	
					Moisture Content	%		8.3	
					Molecular weight of stack gases	g/g-mol		29.5	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	408	No
					Oxygen (O2)	%		9.9	
					Temperature	°C		440	
					Velocity	m/s		46.7	
					Volumetric flowrate	Nm3/s		1.16	
Discharge and Monitoring Point 11, Air emissions, Emissions from Engine Number Eleven	Point 1-6 in odd year, Point 7-12 in even year	27/03/2015	2/04/2015	28/04/2016	Dry gas density	kg/Nm3		1.32	
					Moisture Content	%		9.8	
					Molecular weight of stack gases	g/g-mol		29.5	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	427	No
					Oxygen (O2)	%		9.8	
					Temperature	°C		416	
					Velocity	m/s		42	
					Volumetric flowrate	Nm3/s		1.06	

Note EDL (OCI) Pty Limited performed testing in addition to the licence requirements in 2015

Note the application for addition of Engine 12 was made in 7/07/15

Note the approval for the addition of Engine 12 was granted on 8/09/15

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	Included notes to address inclusion of engine 12 (after the 2015 testing date) and additional monitoring included in data sheet