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

Testing required:	Approximately half the	ne engines on ai	n annual basis					I	
Location of Monitoring Point	Frequency	Sampled	Obtained	Published	Pollutant	Units of Measure	Licence Limit	Value	Exceedance (Yes/No
					Dry gas density	kg/m3		1.31	
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	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 Velocity	°C m/s		417 44.8	
					Volumetric flowrate			1.16	
	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	
Discharge and Monitoring Point 2, Air emissions, Emissions from Engine Number Two					Molecular weight of stack gases	g/gmol		29.5	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2	397	No
					Oxygen (O2)	%	correction	9.7	
					Temperature	°C		443	
					Velocity	m/s		42.4	
					Volumetric flowrate	m3/s		1.03	
		27/03/2015	2/04/2015		Dry gas density	kg/m3		1.33	
				28/04/2016	Moisture Content	%		9.2	
Discharge and Monitoring Point 3, Air emissions, Emissions from Engine Number Three	Point 1-6 in odd year, Point 7-12 in even year				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	
		27/03/2015	2/04/2015		Volumetric flowrate			1.06	
	Point 1-6 in odd year, Point 7-12 in even year			28/04/2016	Dry gas density	kg/m3		1.32	
					Moisture Content	%		8.3	
Discharge and Monitoring Point 4, Air emissions, Emissions from Engine Number four					Molecular weight of stack gases	g/gmol	4450 Dmy 272K	29.5	
					Nitrogen Oxides	mg/m3	<450 Dry 273K 101.3kPa 3% O2 correction	427	No
					Oxygen (O2) Temperature	% °C		9.6 445	
					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	422	No
					Oxygen (O2)	%	correction	10.7	
					Temperature	°C		425	
					Velocity	m/s		43.9	
					Volumetric flowrate			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 Molecular weight of	%		8.8	
					stack gases	g/gmoi	<450 Dry 273K	29.7	
					Nitrogen Oxides Oxygen (O2)	mg/m3 %	101.3kPa 3% O2 correction	10.2	No
					Temperature	°C		425	
					Velocity	m/s		45.7	

Part	_									
Marchard Markitoring Paint 3, and part of the property of the part of the pa						Volumetric flowrate	m3/s		1.16	
Marchard Markitoring Paint 3, and part of the property of the part of the pa	emissions, Emissions from Engine					Dry gas density	kg/Nm3		1.31	
Dicharge and Monitoring Point 1, and present 1, a			27/03/2015	2/04/2015						
## Part		year, Point 7-12 in					g/g-mol		29.5	
Publishing and Moleloring Part Is in old provisions from Engine Number Figure Number						Nitrogen Oxides	mg/Nm3	101.3kPa 3% O2	437	No
Policy P						Oxygen (O2)	%		10	
Polity 1 A 1						Temperature	°C		430	
Discharge and Monitoring Point 1, Ai, Marchard Right Number (light) Point 1, 4 in old winty Point						Velocity	m/s		44.6	
Point 1 is not included and Monitorine ploint 1, missions from tengine Number Right Point 1 is not in tengine Number Right Point 2 is not in tengine Numbe						Volumetric flowrate	Nm3/s		1.12	
Discharge and Monitoring Point 5, Any Point 1.6 in odd every year Point 7.12 in Point 7.12 in Point 7.12 in Point 7.12 in Point 7.13 in 2010 in Point 8, and in Point 8, and in Point 8, and in Point 9, and			27/03/2015	2/04/2015		Dry gas density	kg/Nm3		1.31	
Discharge and Monitoring Point 5, Any Point 1.6 in odd every year Point 7.12 in Point 7.12 in Point 7.12 in Point 7.12 in Point 7.13 in 2010 in Point 8, and in Point 8, and in Point 8, and in Point 9, and	emissions, Emissions from Engine	year, Point 7-12 in							10	
Point 1-8 in ord						Molecular weight of				
Point						Nitrogen Oxides	mg/m3	101.3kPa 3% O2	436	No
Point 1-6 in odd Point 1-6 i	1					Oxygen (O2)	%		10.1	
Point 1-6 in odd Point 1-7	1								438	
Discharge and Monitoring Point 10, Air emissions from Engine Monitoring Point 11, Air emissions, Emissions from Engine Point 1-1, Air emissions, Emissions from Engine Point 11, Air even year and Monitoring Point 11, Air emissions, Emissions from Engine Point 11, Air even year and Monitoring Point 11, Air emissions, Emissions from Engine Point 11, Air even year and Monitoring Point 11, Air emissions, Emissions from Engine Point 11, Air even year are point 1-6 in odd even year emissions, Emissions from Engine Point 11, Air even year emissions, Emissions from Engine Point 11, Air even year emissions, Emissions from Engine Point 11, Air even year even year emissions, Emissions from Engine Point 11, Air even year even year emissions, Emissions from Engine Point 11, Air even year emissions from Engine emissions from Engine even year emissions from Engine even year emissions from Engine emission from Engine emission from Engine emission from						Velocity	m/s		45.2	
Discharge and Monitoring Point 1, Air even year Point 1-6 in odd even year of the presentation of the						Volumetric flowrate	Nm3/s		1.1	
Discharge and Monitoring Point 1, Air even year Point 1-6 in odd even year of the presentation of the			27/03/2015	2/04/2015		Dry gas density	kg/m3		1.31	
Point 1-6 in odd Point 1-6 in odd Point 1-7 12 in odd Point 1-7 12 in odd Point 1-6 in odd Point									9.6	
## Point 1-6 in odd very reyer reversions. Finisions from Engine Number Fleven Point 1-6 in odd very Point 7-12 in even year of the missions, Emissions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions, Emissions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions, Emissions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions, Emissions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions, Emissions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions, Emissions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions, Emissions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions, Emissions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions, Emissions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions from Engine Number Eleven Point 1-6 in odd very Point 7-12 in even year of the missions fro	emissions, Emissions from Engine	year, Point 7-12 in					g/g-mol		29.4	
Point 1-6 in odd Point 1-1						Nitrogen Oxides	mg/m3	101.3kPa 3% O2	404	No
Point 1-6 in odd Point Park P						Oxygen (O2)	%		10.3	
Discharge and Monitoring Point 10, Air emissions, Emissions from Engine Number Ten						Temperature	°C		423	
Point 1-6 in odd even year						Velocity	m/s		51	
Discharge and Monitoring Point 10, Air emissions, Emissions from Engine Number Ten						Volumetric flowrate	Nm3/s		1.28	
Discharge and Monitoring Point 10, Air emissions, Emissions from Engine Number Ten		year, Point 7-12 in	27/03/2015	2/04/2015		Dry gas density	kg/Nm3		1.31	
Discharge and Monitoring Point 10, Air emissions, Emissions from Engine Number Ten						Moisture Content	%		8.3	
Point 7-12 in even year Point 7-12 in even year							g/g-mol		29.5	
Temperature C 440	emissions, Emissions from Engine					Nitrogen Oxides	mg/m3	101.3kPa 3% O2	408	No
Velocity M/S Molecular weight of stack gases Molecular weight of stack gases Molecular weight of stack gases						Oxygen (O2)	%		9.9	
Note						Temperature	°C		440	
Discharge and Monitoring Point 11, Air even year Point 7-12 in even year Point 9 Point 1-6 in odd year, Point 7-12 in even year Point 1-6 in odd year Point 1-6 in odd year Point 7-12 in even year Point 7-12 in						Velocity	m/s		46.7	
Point 1-6 in odd year, Point 7-12 in even year Point F-12 in even year Point 1-6 in odd Year, Point 7-12 in even year Point 7-12 in even yea						Volumetric flowrate	Nm3/s		1.16	
Point 1-6 in odd year, Point 7-12 in even year Point F-12 in even year Point 1-6 in odd Year, Point 7-12 in even year Point 7-12 in even yea	emissions, Emissions from Engine	year, Point 7-12 in	27/03/2015	2/04/2015	28/04/2016	Dry gas density	kg/Nm3		1.32	
Discharge and Monitoring Point 11, Air emissions, Emissions from Engine Number Eleven Number Eleven Point 1-6 in odd year, Point 7-12 in even year 27/03/2015 27/03/2015 27/03/2015 28/04/2016 Nitrogen Oxides mg/m3 701.3kPa 3% O2 correction Oxygen (O2) Temperature C Velocity M/s Velocity M/s									9.8	
emissions, Emissions from Engine Number Eleven year, Point 7-12 in even year 27/03/2015 2/04/2015 28/04/2016 Nitrogen Oxides mg/m3 101.3kPa 3% O2 correction 427 No Temperature °C 416 Velocity Velocity m/s 42							g/g-mol		29.5	
Temperature °C 416 Velocity m/s 42						Nitrogen Oxides	mg/m3	101.3kPa 3% O2	427	No
Velocity m/s 42						Oxygen (O2)			9.8	
						Temperature	°C		416	
Volumetric flowrate Nm3/s 1.06						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