

Permit Number: XXXXXXXXX

Operator: Viridis 178 Limited

Facility: Viridis 178 Swansea Power Plant

Form Number: Air 1 / XX/XX/17

Reporting of emissions to air for the period from XX/XX/2017 to XX/XX/2018

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A1	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A1	Carbon monoxide	-	Hourly average		BS EN 15058		
A1	Oxygen	-	Hourly average		BS EN 14789		
A1	Water vapour	-	Hourly average		BS EN 14790		
A2	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A2	Carbon monoxide	-	Hourly average		BS EN 15058		
A2	Oxygen	-	Hourly average		BS EN 14789		
A2	Water vapour	-	Hourly average		BS EN 14790		
A3	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A3	Carbon monoxide	-	Hourly average		BS EN 15058		
A3	Oxygen	-	Hourly average		BS EN 14789		
A3	Water vapour	-	Hourly average		BS EN 14790		
A4	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A4	Carbon monoxide	-	Hourly average		BS EN 15058		
A4	Oxygen	-	Hourly average		BS EN 14789		
A4	Water vapour	-	Hourly average		BS EN 14790		
A5	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A5	Carbon monoxide	-	Hourly average		BS EN 15058		
A5	Oxygen	-	Hourly average		BS EN 14789		
A5	Water vapour	-	Hourly average		BS EN 14790		

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A6	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A6	Carbon monoxide	-	Hourly average		BS EN 15058		
A6	Oxygen	-	Hourly average		BS EN 14789		
A6	Water vapour	-	Hourly average		BS EN 14790		
A7	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A7	Carbon monoxide	-	Hourly average		BS EN 15058		
A7	Oxygen	-	Hourly average		BS EN 14789		
A7	Water vapour	-	Hourly average		BS EN 14790		
A8	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A8	Carbon monoxide	-	Hourly average		BS EN 15058		
A8	Oxygen	-	Hourly average		BS EN 14789		
A8	Water vapour	-	Hourly average		BS EN 14790		
A9	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A9	Carbon monoxide	-	Hourly average		BS EN 15058		
A9	Oxygen	-	Hourly average		BS EN 14789		
A9	Water vapour	-	Hourly average		BS EN 14790		
A10	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A10	Carbon monoxide	-	Hourly average		BS EN 15058		
A10	Oxygen	-	Hourly average		BS EN 14789		
A10	Water vapour	-	Hourly average		BS EN 14790		
A11	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A11	Carbon monoxide	-	Hourly average		BS EN 15058		
A11	Oxygen	-	Hourly average		BS EN 14789		
A11	Water vapour	-	Hourly average		BS EN 14790		

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A12	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A12	Carbon monoxide	-	Hourly average		BS EN 15058		
A12	Oxygen	-	Hourly average		BS EN 14789		
A12	Water vapour	-	Hourly average		BS EN 14790		
A13	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A13	Carbon monoxide	-	Hourly average		BS EN 15058		
A13	Oxygen	-	Hourly average		BS EN 14789		
A13	Water vapour	-	Hourly average		BS EN 14790		
A14	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A14	Carbon monoxide	-	Hourly average		BS EN 15058		
A14	Oxygen	-	Hourly average		BS EN 14789		
A14	Water vapour	-	Hourly average		BS EN 14790		
A15	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A15	Carbon monoxide	-	Hourly average		BS EN 15058		
A15	Oxygen	-	Hourly average		BS EN 14789		
A15	Water vapour	-	Hourly average		BS EN 14790		
A16	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A16	Carbon monoxide	-	Hourly average		BS EN 15058		
A16	Oxygen	-	Hourly average		BS EN 14789		
A16	Water vapour	-	Hourly average		BS EN 14790		
A17	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A17	Carbon monoxide	-	Hourly average		BS EN 15058		
A17	Oxygen	-	Hourly average		BS EN 14789		
A17	Water vapour	-	Hourly average		BS EN 14790		

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A18	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A18	Carbon monoxide	-	Hourly average		BS EN 15058		
A18	Oxygen	-	Hourly average		BS EN 14789		
A18	Water vapour	-	Hourly average		BS EN 14790		
A19	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A19	Carbon monoxide	-	Hourly average		BS EN 15058		
A19	Oxygen	-	Hourly average		BS EN 14789		
A19	Water vapour	-	Hourly average		BS EN 14790		
A20	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A20	Carbon monoxide	-	Hourly average		BS EN 15058		
A20	Oxygen	-	Hourly average		BS EN 14789		
A20	Water vapour	-	Hourly average		BS EN 14790		
A21	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A21	Carbon monoxide	-	Hourly average		BS EN 15058		
A21	Oxygen	-	Hourly average		BS EN 14789		
A21	Water vapour	-	Hourly average		BS EN 14790		
A22	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A22	Carbon monoxide	-	Hourly average		BS EN 15058		
A22	Oxygen	-	Hourly average		BS EN 14789		
A22	Water vapour	-	Hourly average		BS EN 14790		
A23	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A23	Carbon monoxide	-	Hourly average		BS EN 15058		
A23	Oxygen	-	Hourly average		BS EN 14789		
A23	Water vapour	-	Hourly average		BS EN 14790		

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result ^[1]	Test Method ^[2]	Sample Date and Times ^[3]	Uncertainty ^[4]
A24	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A24	Carbon monoxide	-	Hourly average		BS EN 15058		
A24	Oxygen	-	Hourly average		BS EN 14789		
A24	Water vapour	-	Hourly average		BS EN 14790		
A25	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A25	Carbon monoxide	-	Hourly average		BS EN 15058		
A25	Oxygen	-	Hourly average		BS EN 14789		
A25	Water vapour	-	Hourly average		BS EN 14790		
A26	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A26	Carbon monoxide	-	Hourly average		BS EN 15058		
A26	Oxygen	-	Hourly average		BS EN 14789		
A26	Water vapour	-	Hourly average		BS EN 14790		
A27	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	95 mg/m ³	Hourly average		BS EN 14792		
A27	Carbon monoxide	-	Hourly average		BS EN 15058		
A27	Oxygen	-	Hourly average		BS EN 14789		
A27	Water vapour	-	Hourly average		BS EN 14790		

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed
(Authorised to sign as representative of Operator)

Date.....

Permit Number: XXXXXXXXX

Operator: Viridis 178 Limited

Facility: Viridis 178 Swansea Power Plant

Form Number: Water Usage 1 / XX/XX/17

Reporting of Water Usage for the year 2017

Water Source	Usage (tonnes)	Specific Usage (m ³ /unit output)
Mains water		
TOTAL WATER USAGE		

Operator's comments :

Signed
(authorised to sign as representative of Operator)

Date.....

Permit Number: XXXXXXXXX

Operator: Viridis 178 Limited

Facility: Viridis 178 Swansea Swansea Power Plant

Form Number: Energy 1 / XX/XX/17

Reporting of Energy Usage for the year 2017

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MJ)	
Electricity *	MJ		
Natural Gas	MJ		
TOTAL	-		

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

Signed
(Authorised to sign as representative of Operator)

Date.....

Permit Number: XXXXXXXXXX

Operator: Viridis 178 Limited

Facility: Viridis 178 Swansea Power Plant

Form Number: Operating hours 1 / DD/MM/YY

Reporting of operating hours for the period XX/XX/2017 to XX/XX/2018

Parameter	Units
Electrical power generated (net)	MWh
Total operating hours of spark ignition engines 1 to 27 inclusive	Hours
Total number of operating runs of spark ignition engines 1 to 27 inclusive	Quantity
Duration of longest runs of spark ignition engines	Hours
Total number of runs of spark ignition engines greater than 2 hours in duration	Quantity
Average time to start up over year of spark ignition engines 1 to 27 inclusive to full installed capacity	Hours

Operator's comments :

Signed
(Authorised to sign as representative of Operator)

Date.....