

Permit Number: XXXXXXXX

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 <sup>[1]</sup> | Test Method <sup>[2]</sup> | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|----------------|---------------------------------------------------------------------------|----------------------|------------------|-----------------------|----------------------------|--------------------------------------|----------------------------|
| A1             | Oxides of nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sup>[1]</sup> | Test Method <sup>[2]</sup> | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|----------------|---------------------------------------------------------------------------|----------------------|------------------|-----------------------|----------------------------|--------------------------------------|----------------------------|
| A6             | Oxides of nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sup>[1]</sup> | Test Method <sup>[2]</sup> | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|----------------|---------------------------------------------------------------------------|----------------------|------------------|-----------------------|----------------------------|--------------------------------------|----------------------------|
| A12            | Oxides of nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sup>[1]</sup> | Test Method <sup>[2]</sup> | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|----------------|---------------------------------------------------------------------------|----------------------|------------------|-----------------------|----------------------------|--------------------------------------|----------------------------|
| A18            | Oxides of nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sup>[1]</sup> | Test Method <sup>[2]</sup> | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|----------------|---------------------------------------------------------------------------|----------------------|------------------|-----------------------|----------------------------|--------------------------------------|----------------------------|
| A24            | Oxides of nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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 <sub>2</sub> expressed as NO <sub>2</sub> ) | 95 mg/m <sup>3</sup> | 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<br>(tonnes) | Specific Usage<br>(m <sup>3</sup> /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.....