

Permit Number: WP3231NB

Operator: Dairy Partners (Cymru Wales) Limited

Facility: The Creamery, Aberarad.

Form Number: Water 1 / 29/01/2019

**Reporting of emissions to water (other than to sewer) and land for the period from 01<sup>st</sup> July 2019 to 31<sup>st</sup> July 2019**

| Emission Point | Substance / Parameter    | Emission                     |                                              | Reference Period                  | Result <sup>[1]</sup> | Test Method <sup>[2]</sup>                      | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|----------------|--------------------------|------------------------------|----------------------------------------------|-----------------------------------|-----------------------|-------------------------------------------------|--------------------------------------|----------------------------|
|                |                          | Limit Value                  |                                              |                                   |                       |                                                 |                                      |                            |
| W1             | Maximum daily volume     | 1,050 m <sup>3</sup> per day |                                              | Daily                             | 1,600m3               | Continuous flow monitoring<br>MCERTS Flow meter | 29/07/2019                           |                            |
| W1             | Biological Oxygen Demand | 30 mg/l                      |                                              | Flow proportional daily composite |                       |                                                 |                                      |                            |
| W1             | Total suspended solids   | 50 mg/l                      |                                              | Flow proportional daily composite | 61 mg/l               | BS EN 872:2005                                  | 19/07/2019                           |                            |
| W1             | Ammonia as N             | 22 mg/l                      | Spot sample                                  |                                   | 8.6 mg/l              | BS EN 11732:2005                                | 17/07/2019                           |                            |
| W1             | Temperature              | 21°C                         | Instantaneous                                |                                   | 24.1                  | Standard Temperature sensor                     | 26/07/2019                           |                            |
| W1             | Nitrite (as N)           | 3 mg/l                       | Spot sample                                  |                                   | -                     | BS EN ISO 13395                                 | -                                    |                            |
| W1             | Mercury                  | 0.5 µg/l<br>50 g/year        | Compliance based on mass balance calculation |                                   | -                     |                                                 | -                                    |                            |
| W1             | Cadmium                  | 0.01 mg/l<br>50 g/year       | Compliance based on mass balance calculation |                                   | -                     |                                                 | -                                    |                            |

[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- 01<sup>st</sup> October 2019

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**Reporting of emissions to water (other than to sewer) and land for the period from 01<sup>st</sup> August 2019 to 31<sup>st</sup> August 2019**

| Emission Point | Substance / Parameter    | Emission                     |                                              | Result <sup>[1]</sup> | Test Method <sup>[2]</sup>                      | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|----------------|--------------------------|------------------------------|----------------------------------------------|-----------------------|-------------------------------------------------|--------------------------------------|----------------------------|
|                |                          | Limit Value                  | Reference Period                             |                       |                                                 |                                      |                            |
| W1             | Maximum daily volume     | 1,050 m <sup>3</sup> per day | Daily                                        | 982 m <sup>3</sup>    | Continuous flow monitoring<br>MCERTS Flow meter | 02/08/2019                           |                            |
| W1             | Biological Oxygen Demand | 30 mg/l                      | Flow proportional daily composite            |                       |                                                 |                                      |                            |
| W1             | Total suspended solids   | 50 mg/l                      | Flow proportional daily composite            | 121 mg/l              | BS EN 872:2005                                  | 22/08/2019                           |                            |
| W1             | Ammonia as N             | 22 mg/l                      | Spot sample                                  | 14.1 mg/l             | BS EN 11732:2005                                | 11/08/2019                           |                            |
| W1             | Temperature              | 21°C                         | Instantaneous                                | 20.5                  | Standard Temperature sensor                     | 03/08/2019                           |                            |
| W1             | Nitrite (as N)           | 3 mg/l                       | Spot sample                                  | -                     | BS EN ISO 13395                                 | -                                    |                            |
| W1             | Mercury                  | 0.5 µg/l<br>50 g/year        | Compliance based on mass balance calculation | -                     |                                                 | -                                    |                            |
| W1             | Cadmium                  | 0.01 mg/l<br>50 g/year       | Compliance based on mass balance calculation | -                     |                                                 | -                                    |                            |

- [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.
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**Reporting of emissions to water (other than to sewer) and land for the period from** **01<sup>st</sup> September 2019** **to** **30<sup>th</sup> September 2019**

| Emission Point | Substance / Parameter    | Emission                     |                                              | Result <sup>[1]</sup> | Test Method <sup>[2]</sup>                      | Sample Date and Times <sup>[3]</sup> | Uncertainty <sup>[4]</sup> |
|----------------|--------------------------|------------------------------|----------------------------------------------|-----------------------|-------------------------------------------------|--------------------------------------|----------------------------|
|                |                          | Limit Value                  | Reference Period                             |                       |                                                 |                                      |                            |
| W1             | Maximum daily volume     | 1,050 m <sup>3</sup> per day | Daily                                        | 460 m <sup>3</sup>    | Continuous flow monitoring<br>MCERTS Flow meter | 04/09/2019                           |                            |
| W1             | Biological Oxygen Demand | 30 mg/l                      | Flow proportional daily composite            |                       |                                                 |                                      |                            |
| W1             | Total suspended solids   | 50 mg/l                      | Flow proportional daily composite            | 68 mg/l               | BS EN 872:2005                                  | 06/09/2019                           |                            |
| W1             | Ammonia as N             | 22 mg/l                      | Spot sample                                  | 8.7 mg/l              | BS EN 11732:2005                                | 17/09/2019                           |                            |
| W1             | Temperature              | 21°C                         | Instantaneous                                | 18.5                  | Standard Temperature sensor                     | 16/09/2019                           |                            |
| W1             | Nitrite (as N)           | 3 mg/l                       | Spot sample                                  | -                     | BS EN ISO 13395                                 | -                                    |                            |
| W1             | Mercury                  | 0.5 µg/l<br>50 g/year        | Compliance based on mass balance calculation | -                     |                                                 | -                                    |                            |
| W1             | Cadmium                  | 0.01 mg/l<br>50 g/year       | Compliance based on mass balance calculation | -                     |                                                 | -                                    |                            |

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Date- 01<sup>st</sup> October 2019

