

Permit Number: EPR/XP3830UR

Operator: The First Milk Cheese Company Limited

Facility: Haverfordwest Creamery

Form Number: Water1

**Reporting of emissions to water (other than to sewer) and land for the period from 01/07/2023 to 31/12/2023**

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				
W2	Maximum daily discharge volume	2500 m <sup>3</sup> /day	Total daily volume	2235	Flow meter	24/09/2023	3.00%
	Maximum rate of discharge	120 m <sup>3</sup> /hr	Instantaneous	93 m <sup>3</sup> /hr	Flow meter	24/09/2023	3.00%
	Temperature	35 °C	Absolute maximum	31.2	Standard thermocouple	10/09/2023	3.58%
	Biochemical oxygen demand	40 mg/L	Absolute maximum	10.2 mg/L 7.9 mg/L	BS EN 1899-1	14/11/2023	18.55%
		20 mg/L	95 <sup>th</sup> percentile <sup>[5]</sup>				
	Total suspended solids	60 mg/L	Absolute maximum	22 mg / L 19.5 mg/L	BS EN 872	27/10/2023	12.38%
		30 mg/L	95 <sup>th</sup> percentile <sup>[5]</sup>				
	Ammonia	10 mg/L	Absolute maximum	8.7 mg/L 3.8 mg/L	BS EN ISO 11732	27/10/2023	39.01%
		3.5 mg/L	95 <sup>th</sup> percentile <sup>[5]</sup>				
	Total phosphates	5 mg/L	Absolute maximum	4.0 mg/L 1.93 mg/L	BS EN ISO 15681-1	06/09/2023	26.04%
		3 mg/L	95 <sup>th</sup> percentile <sup>[5]</sup>				
	Iron	10 mg/L	Absolute maximum	0.2 mg/L 0.2 mg/L	BS EN ISO 11885	11/11/2023	14.52%
		5 mg/L	95 <sup>th</sup> percentile <sup>[5]</sup>				
	Aluminium	2 mg/L	Absolute maximum	0.9 mg/L 0.67 mg/L	BS EN ISO 11885	12/10/2023	9.89%
1 mg/L		95 <sup>th</sup> percentile <sup>[5]</sup>					
pH	6 – 9	Absolute maximum	8.8	BS ISO 10523	08/08/2023	0.64%	

Notes:

[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.

[5] For 95 % of all measured values according to look up table

Signed: N Shawcross  
(Authorised to sign as representative of Operator)

Date: 20/02/2024