

Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	EPR/XP3830UR
Name of operator	The First Milk Cheese Company Ltd
Location of Facility	Haverfordwest, Pembrokeshire
Time and date of the detection	24th May 2023

(a) Notification requirements for any activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment

To be notified within 24 hrs of detection	
Date and time of the event	n/a
Reference or description of the location of the event	n/a
Description of where any release into the environment took place	n/a
Substances(s) potentially released	n/a
Best estimate of the quantity or rate of release of substances	n/a
Measures taken, or intended to be taken, to stop any emission	n/a
Description of the failure or accident.	n/a

(b) Notification requirements for the breach of a permit condition

To be notified within 24 hrs of detection	
Emission point reference/ source	W2, Location 196342, 214759
Parameter(s)	Phosphates 6.6 mg/l
Limit	Phosphates 5 mg/l
Measured value and uncertainty	Effluent sample - UKAS result – elevated Phosphate Results from analysis by a UKAS laboratory.
Date and time of monitoring	09/05/2023 (tested 10/05/2023). Report date 22/05/2023
Measures taken, or intended to be taken, to stop the emission	The effluent treatment plant has received external lab results of increased phosphate levels on the final discharge sample.

	This has been identified as an effluent treatment plant process issue rather than a reflection of the influent entering the plant from the creamery. The ETP operating company has reviewed the plant and has an action plan in place with the aim of bringing the phosphate level back in line with consent levels. See part B for further detail.
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Time periods for notification following detection of a breach of a limit	
Parameter	Notification period
In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment:	
Description of where the effect on the environment was detected	n/a
Substances(s) detected	n/a
Concentrations of substances detected	n/a
Date of monitoring/sampling	n/a

Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	As above
Measures taken, or intended to be taken, to prevent a recurrence of the incident	It is considered that increased Phosphorous load (combined with increased COD and TSS load), may have disrupted the balance that is sought after with enhanced biological phosphorous removal (EBPR) treatment plants. Measures taken: Basic checks of the ETP such as pH measurement, chemical dosing effectiveness, MLSS (mixed liquor suspended solids) measurement. Checks of important ratios within the EBPR system such as COD:P ratio and dissolved oxygen levels. Reduced Return Activated Sludge (RAS) rates and wasted Biological DAF sludge, in order to check whether excess nitrates were being recycled and to remove any ageing biomass causing decay and Phosphorous release into the final effluent. Reduce Dissolved Oxygen in the EBPR aerated zone, to try and prevent any oxygen being returned to the Anaerobic and Anoxic Zones where the dissolved oxygen should be 0 or as close to 0 as possible. Courier of an Oxidation-Reduction Potential (ORP) probe to the ETP, for further analysis of the EBPR system. Courier of Volatile Fatty Acids (VFA) testing kits to the ETP, for further analysis of the EBPR system. Set up temporary PAC (Poly Aluminium Chloride) dosing rig and confirm dosing rate. This should reduce the Total P concentration in the Final Effluent, while allowing the EBPR system to return to efficient working capacity.

Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	It is not believed that there is any pollution as a result of this and as such there are no planned works anticipated to be required to rectify any pollution.
The dates of any unauthorised emissions from the facility in the preceding 24 months.	13 th March 2022 20 th November 2022

Name*	Neil Shawcross
Post	SHE Manager
Signature	<i>Neil Shawcross</i>
Date	25/05/2023

* authorised to sign on behalf of the operator