

Variation notice with introductory note

Environmental Permitting (England & Wales) Regulations 2007

The Creamery, Aberarad

Saputo Cheese [UK] Ltd
Aberarad
Newcastle Emlyn
Carmarthenshire
SA38 9DQ

Variation notice number
EA/EPR/FP3434UB/V002

Permit number
FP3434UB

Saputo Cheese [UK] Ltd Permit Number FP3434UB

Introductory note

This introductory note does not form a part of the permit

The following notice, which is issued pursuant to regulation 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations S.I.2007 No. 3538 (the Regulations), gives notice of the variation of an environmental permit to operate a regulated facility.

A non-technical description of the installation is given in the Application, but the main features of the installation are as follows. Saputo Cheese (UK) Limited operate a milk processing facility at Aberarad producing exclusively Mozzarella cheese for predominantly the UK and European pizza markets. The installation accepts milk in excess of the 200 tonnes per day threshold given in Section 6.8 A(1)(e) of the PPC Regulations 'treating and processing milk...'. The applicant has completed an H1 assessment of the emissions from the installation and concludes that there is one significant release to air, which also contributes to a significant release to land through deposition, from the boiler stack: Nitrogen dioxide at 1.21% of the EAL. There is one significant release to water, nitrite, at 1.56% of the short term EAL only. There is one SAC within 10km, Afon Teifi which is 339m from the installation and one SSSI within 2km, Old Cilgwyn and Cae Heslop which is 867m from the installation. It is not anticipated that either designated site will be affected by the activities undertaken on the installation, including those authorised by this variation notice. The Installation is subject to external environmental audit undertaken by an external auditor, Arena Network Wales (Green Dragon Scheme) and audits take place at least annually. The Operator has committed to a climate change agreement to reduce energy consumption across the site.

This variation consists of a number of changes to the operation of the installation which are listed below.

1. Change to temperature of effluent discharge standard.
2. Installation of a new main milk pasteuriser and removal of raw milk balance tank from high care area.
3. Upgraded whey pasteuriser.
4. Renovation of chilled water units.
5. Installation of fines saver.
6. Replacement of roof on oldest processing building.
7. Installation of tank vessels, homogeniser and associated pipe work at secondary starter.
8. Installation of water borehole.
9. Change to internal packaging format system involving construction of high care storage room.
10. Change to compressor room configuration.
11. Introduction of hot water pressure washer for use in deep cleansing.

Schedule 1 of this notice lists any deleted conditions, Schedule 2 lists any amended conditions and Schedule 3 lists any conditions that have been added.

Status Log of the permit

| Detail | Date | Response Date |
|--|------------------------|--|
| Application BN6293IK | Received 08/04/2005 | - |
| Response to request for information | Request dated 18/05/05 | Response dated 05/07/05 |
| Permit determined | 03/11/05 | - |
| Variation Request initiated by Dansco TP3639LD | Received 15/12/2005 | Due date for the SPMP extended to 31 st January, 2006 |
| Permit transfer application received | 10/05/07 | - |
| Permit transferred | 05/07/07 | - |
| Permit Variation requested | 01/05/08 | - |
| Amended Variation application received | 13/6/08 | - |
| Variation issued | 03/10/08 | - |

End of Introductory Note

Notice of variation

Environmental Permitting
(England and Wales) Regulations 2007

Permit number

FP3434UB

The Environment Agency in exercise of its powers under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2007 (SI 2000 No 3538) varies the permit as set out below.

Saputo Cheese [UK] Ltd

whose registered office is

C/O Stikeman Elliot Solicitors

Dauntsey House

4B Frederick Place

London

EC2R 8AB

company registration number 06080813

holds a permit to operate a regulated facility at

The Creamery

Aberarad

Newcastle Emlyn

Carmarthenshire

SA38 9DQ

and that permit is varied to the extent set out in Schedules 1 to 3 of this notice.

The notice shall take effect from 3rd October 2008

| Name | Date |
|------|-----------|
| DMP3 | 3/10/2008 |

Authorised on behalf of the Agency

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency in accordance with conditions 1.5.1 and 1.5.2 of this Permit.

| Table 2.1.1: Operating techniques | | |
|---------------------------------------|---|----------------------|
| Description | Parts | Date Received |
| Application | The response to questions 2.2.23, 2.2.24, 2.2.44 to 2.2.57 and 2.10. | 08/04/05 |
| Variation TP3639LD | All. | 15/12/05 |
| Minor Operational Change | Application letter received 28/09/08. | 28/09/06 |
| Minor Operational Change | Application letter received 24/10/06 and further information submitted 14/11/06. | 24/10/06 14/10/06 |
| Variation EA/EPR/FP343 4UB/V002 | The response to questions 1.2, 2.1 to 2.12 (inclusive), 3.1 and 4.1 to 4.3 (inclusive) in Part C of the Application Form. | 13/06/08 |

2.2.2.5 Where a substance is specified in Table 2.2.5 but no limit is set for it, the concentration of such substance in emissions to water from the relevant emission point shall be no greater than the background concentration

| Table 2.2.5 : Emission limits to water and monitoring | | | | | |
|---|-------|----------------------|---|--|---|
| Emission reference | point | Parameter | Limit (including Reference Period) ¹ | Monitoring frequency | Monitoring method |
| W1 | | Ammonia (total as N) | 22mg/l | Monthly | BS EN ISO 11732:1997 ² |
| W1 | | BOD | 30mg/l | Monthly | BS EN 1899-1 (1998) ² |
| W1 | | Suspended Solids | 50mg/l | Monthly | BS EN 872:1996, BS 6068-2.54:1996 ² |
| W1 | | Nitrite (as N) | 3mg/l | Monthly | BS EN ISO 11905-1:1998, BS6068-2.62:1998 ² |
| W1 | | Temperature | 25°C | Monthly | Internal Saputo Temperature Monitoring Method |
| W1 | | Mercury | 0.5µg/l | Annually | Compliance based on mass balance calculation ¹ |
| W1 | | Cadmium | 0.01mg/l | Annually | Compliance based on mass balance calculation ¹ |
| W1 | | Flow | 1050m ³ /day | Continuous, reported as daily averages | To a relevant EN, BS, ISO standard as agreed in IC1. |

Note 1: See condition 6.1.1.

Note 2: Or to a relevant EN, BS, ISO or SCA blue book method as agreed with the Agency.

2.2.8.1 The Operator shall comply with the requirements specified in Table 2.2.11, which supplement or replace emission limit values in accordance with Regulation 12(8) of the PPC Regulations.

Table 2.2.11 Equivalent parameters and technical measures

| Parameter or measure | Requirement or description of measure, and frequency if relevant |
|-----------------------------|--|
| Sulphur content of fuel oil | Maximum of 1% after 01/01/08 |

Schedule 2 - Reporting of monitoring data

Parameters for which reports shall be made, in accordance with conditions 4.1.2 and 4.1.3 of this Permit, are listed below.

Table S2: Reporting of monitoring data

| Parameter | Emission point | Reporting period | Period begins |
|--------------------------------------|----------------|------------------|---------------|
| Ammonia (total as N) mg/l | W1 | Monthly | 01/10/08 |
| BOD mg/l | W1 | Monthly | 01/10/08 |
| Suspended Solids mg/l | W1 | Monthly | 01/10/08 |
| Nitrite (as N) mg/l | W1 | Monthly | 01/10/08 |
| Temperature °C | W1 | Monthly | 01/10/08 |
| Mercury and its compounds µg/l | W1 | Annually | 01/01/06 |
| Cadmium and its compounds mg/l | W1 | Annually | 01/01/06 |
| Mercury and its compounds g/year | W1 | Annually | 01/01/06 |
| Cadmium and its compounds g/year | W1 | Annually | 01/01/06 |
| Flow | W1 | Monthly | 01/10/08 |
| Oxides of Nitrogen mg/m ³ | A1 | Annually | 01/01/06 |
| Water usage | Installation | Annually | 01/01/06 |
| Energy usage | Installation | Annually | 01/01/06 |
| Waste disposal and/or recovery. | Installation | Annually | 01/01/06 |

Schedule 3 – conditions to be added

1.4.1 The Operator shall complete the improvements specified in Table 1.4.1 by the date specified in that table, and shall send written notification of the date of completion of each requirement to the Agency within 14 days of the completion of each such requirement.

| | | |
|------|---|----------|
| IC9 | The Operator shall review the accident management plan submitted in line with Improvement Condition 2. The review shall pay particular regard to the implications of the changes to the Installation detailed in Variation EA/EPR/FP3434UB/V002, and shall include, but not be limited to, an assessment of the protection of the aquatic environment through the accident procedures relating to the effluent treatment plant. | 01/12/08 |
| IC10 | The Operator shall monitor the temperature of the effluent discharge on a weekly basis for a period of twelve months starting from the date of issue of Variation EA/EPR/FP3434UB/V002. A written report shall be provided to the Agency detailing the results of this monitoring, assessing compliance with Permit limits and assessing any effects the changes to the installation have had on the discharge temperature. | 01/12/09 |
| IC11 | The Operator shall investigate methods of controlling the rising sludge problem in the final settlement tanks of the effluent treatment plant. A written report shall be submitted to the Agency and will contain, but not be limited to: <ul style="list-style-type: none">• A description of the methods investigated• An assessment of their appropriateness and effectiveness• A cost benefit analysis of each method, including a justification for implementing, or not, each specific method• An implementation plan, including timescales, for the most appropriate method(s). | 01/01/09 |