

4.5.17.



## ENVIRONMENTAL MANAGEMENT RECORDS

Subject: Schedule 1: Notification of abnormal emissions

Doc Id: WX-EMS-0023-EMR

Revision: 1

Date: March 2009

**Part A:**

|                                  |                                        |
|----------------------------------|----------------------------------------|
| <b>Permit Number</b>             | BV 8016 ID                             |
| <b>Name of Operator</b>          | Kellogg's Company of Great Britain Ltd |
| <b>Location of Installation</b>  | Wrexham Breakfast Cereals              |
| <b>Location of Emission</b>      | West Balancing Pond                    |
| <b>Time and date of Emission</b> | 09:00am                                |

| <b>Substance(s) emitted</b> | <b>Media</b> | <b>Best estimate of quantity or rate of emission</b> | <b>Time during the emission took place</b> |
|-----------------------------|--------------|------------------------------------------------------|--------------------------------------------|
| Out of specification on COD | COD          |                                                      | 09:00am                                    |

|                                                                    |                                                                          |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>Measures taken or intended to be taken to stop the emission</b> | West balancing pond was closed until readings came back within the limit |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|

**Part B:**

|                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Any more accurate information on the matters for notification under Part A</b>                                                                                   | A full site investigation has been completed and we have not been able to establish why the COD level of the pond has increased. We believe this incident is a natural event due to the heavy rain fall over the weekend and we have experience this in the past. The pond was back within the required specification the following day and the valve reopened. |
| <b>Measures taken or intended to be taken to prevent a recurrence of the incident</b>                                                                               | Not Applicable                                                                                                                                                                                                                                                                                                                                                  |
| <b>Measures taken or intended to be taken to rectify, limit or prevent any pollution of the Environment or harm which has been or may be caused by the emission</b> | We are going to update our internal procedures to implement an internal trigger limit in which we will close the balancing pond prior to it exceeding the limit.                                                                                                                                                                                                |
| <b>The dates of any authorised emissions from the installation in the proceeding 24 months</b>                                                                      | Not Applicable                                                                                                                                                                                                                                                                                                                                                  |

|                  |                             |
|------------------|-----------------------------|
| <b>Name*</b>     | Karen Thomas                |
| <b>Post</b>      | Plant Director              |
| <b>Signature</b> | <i>[Signature]</i>          |
| <b>Date</b>      | 26 <sup>th</sup> April 2017 |

\* authorised to sign on behalf of Kellogg Company of Great Britain Ltd





## West Balancing Pond Schedule 1 Notification

### What is a Balancing Pond?

Collects rain water via the red surface water drains. The pond is then tested on a daily basis for Chemical Oxygen Demand and Total Suspended Solids. On a weekly basis samples are taken and submitted to an external laboratory and tested for Total Suspended Solids and Biochemical Oxygen Demand. The water is then discharged through the local water course which then emitted to the local River Dee.

### Incident Details

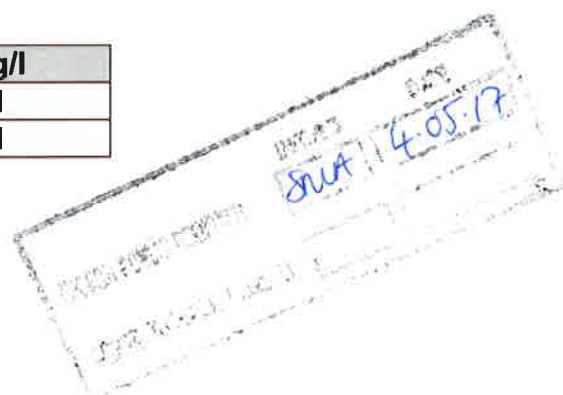
On Sunday 19<sup>th</sup> March 2017 when carrying out the daily balancing pond checks it was found that the west balancing pond was out of specification. The balancing pond has an environmental permit indicator of COD 70 mg/l and the results came back at 127mg/l. The balancing pond was immediately closed. A new test was carried out on the Monday morning in which it was back in specification with a COD reading of 67mg/l. The pond was reopened.

Prior to the incident the balancing pond readings were as follows:

|         | Date       | West Balancing Pond |     |    |
|---------|------------|---------------------|-----|----|
|         |            | COD                 | BOD | SS |
| Week 11 | 12/03/2017 | 22                  |     | 4  |
|         | 13/03/2017 | 0                   |     | 0  |
|         | 14/03/2017 | 27                  |     | 0  |
|         | 15/03/2017 | 55                  | 2   | 2  |
|         | 16/03/2017 | 31                  |     | 0  |
|         | 17/03/2017 | 63                  |     | 4  |
|         | 18/03/2017 | 62                  |     | 6  |
| Week 12 | 19/03/2017 | 127                 |     | 0  |
|         | 20/03/2017 | 67                  |     | 26 |
|         | 21/03/2017 | 31                  |     | 13 |
|         | 22/03/2017 | 24                  | 3   | 10 |
|         | 23/03/2017 | 31                  |     | 0  |
|         | 24/03/2017 | 37                  |     | 0  |
|         | 25/03/2017 | 0                   |     | 0  |

On a weekly basis samples from the balancing pond are sent off to an external laboratory for BOD testing. Below shows the results for the whole of March which are all well below the BOD limit of 30mg/l.

| Date                       | BOD mg/l |
|----------------------------|----------|
| 1 <sup>st</sup> March 2017 | <1       |
| 8 <sup>th</sup> March 2017 | <1       |



|                             |    |
|-----------------------------|----|
| 15 <sup>th</sup> March 2017 | 2  |
| 22 <sup>nd</sup> March 2017 | 3  |
| 29 <sup>th</sup> March 2017 | <1 |

A full site investigation has been completed which was inconclusive. There was no evidence of any colour discoloration on the pond, or any other abnormalities in relation of the appearance of the pond. A full site audit has been completed looking at the roof areas, drains that all go to the west balancing pond.

Over the weekend there was significant heavy rain fall. When this has happened in the past it has increase our COD but then the pond is normally back within the required specification within the 24 hour period. These incidents have been classed as natural events.