



# Permit with introductory note

## The Environmental Permitting (England & Wales) Regulations 2016

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Thorntons Limited

Thornton Park

Somercotes

Alfreton

Derbyshire

DE55 4XJ

### **Permit number**

EPR/WP3639QM

# Thornton Park

## Permit number EPR/WP3639QM

### Introductory note

#### **This introductory note does not form a part of the permit**

The main features of the permit are as follows.

The site is located on Thornton's Park, Somercotes, Alfreton, Derbyshire, DE55 4XJ centred on grid reference SK 41096 54474. The installation manufactures up to 91 tonnes per day of chocolate and confectionery products. The activities fall under the following sections of the Environmental Permitting (England and Wales) Regulations 2016:

- Section 6.8 Part A(1)(d)(iii) – Treatment and processing, other than exclusively packaging of the following raw materials, whether previously processed or unprocessed, intended for the production of food or feed (where the weight of the finished product excludes packaging)
  - (iii) Animal and vegetable raw materials (other than milk only), both in combined and separate products, where a finished production capacity in tonnes per day greater than –
    - (aa) 75 where (the portion of animal material in percent of weight of the finished production capacity) is equal to 10 or more.
- Section 5.4 Part A(1)(a)(ii) – Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving one or more of the following activities (physico-chemical treatment)

Chocolate products are manufactured from liquid chocolate which is delivered to the site in bulk and stored in above ground storage tanks. As are other food grade materials glucose, sorbitol, vegetable fat, sugar and condensed milk.

The manufacturing processes for chocolates and other confectionery products involves the following:

- Receipt and storage of raw materials
- Manufacture of toffee, fudge, nougat and boiled sweets
- Centre making for chocolates
- Enrobing and moulding of chocolates
- Production of hollow figures (excluded from the Environmental permit)
- Production of starch moulded products (Turkish Delight and jellies)
- Packaging and storage of manufactured chocolates and confectionery products and
- Treatment of process effluent on site prior to consented discharge to municipal sewer.

Process effluent is generated as a result of cleaning the production lines. Effluent is directed to the on-site effluent treatment area located in the north western corner of the site. Following basic treatment which includes settlement, screening and pH adjustment the effluent is discharged to Severn Trent Water sewer under consent. Surface water run-off from external roadways and yards is directed to the on-site surface water drainage system. Surface water is directed via five discharge points, three of which discharge to land drain running adjacent to the east of the site, a fourth drain to the north and a fifth drain serving the refuelling island connects directly with the Severn Trent Water municipal surface water drainage system

There are point sources emissions to air from 6 natural gas fired boilers used for heat and steam raising for production activities. Other activities at the installation include refrigeration, cooling towers and diesel fuel storage for HGV Deliveries.

There are no European designated sites within 10 kilometres or Sites of Special Scientific Interest within 2 kilometres of the installation. There are several non-statutory conservation sites within 2 kilometres.

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

| <b>Status log of the permit</b>   |                         |  |
|-----------------------------------|-------------------------|--|
| <b>Description</b>                | <b>Date</b>             | <b>Comments</b>  |
| Application<br>EPR/WP3639QM/A001  | Duly made<br>20/04/2020 | Application for a confectionery manufacturing facility   |
| Additional information received   | 02/07/2020              | Additional information on chemical storage arrangements, surface water drainage and containment, water consumption and refrigerants. |
| Permit determined<br>EPR/WP3639QM | 09/10/2020              | Permit issued to Thorntons Limited.  |

End of introductory note

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/WP3639QM**

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

**Thorntons Limited** (“the operator”),

whose registered office is

**889 Greenford Road**

**Greenford**

**Middlesex**

**UB6 0HE**

company registration number 00174706

to operate an installation at

**Thornton Park**

**Somercotes**

**Alfreton**

**Derbyshire**

**DE55 4XJ**

to the extent authorised by and subject to the conditions of this permit.

| <b>Name</b>           | <b>Date</b>       |
|-----------------------|-------------------|
| <b>Sifelani Mpofu</b> | <b>09/10/2020</b> |

Authorised on behalf of the Environment Agency

# Conditions

## 1 Management

### 1.1 General management

1.1.1 The operator shall manage and operate the activities:

- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
- (b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

### 1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

### 1.3 Efficient use of raw materials

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any further appropriate measures identified by a review.

### 1.4 Avoidance, recovery and disposal of wastes produced by the activities

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
- (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

## **2 Operations**

### **2.1 Permitted activities**

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

### **2.2 The site**

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

### **2.3 Operating techniques**

- 2.3.1 the activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
  - (b) the composition of the waste;
  - (c) the handling requirements of the waste;
  - (d) the hazardous property associated with the waste, if applicable; and
  - (e) the waste code of the waste.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

### **2.4 Improvement programme**

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

## **3 Emissions and monitoring**

### **3.1 Emissions to water, air or land**

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1, S3.2 and S3.3.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

### **3.2 Emissions of substances not controlled by emission limits**

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
  - (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
  - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

### **3.3 Odour**

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
  - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
  - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

### **3.4 Noise and vibration**

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:
  - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;

- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **3.5 Monitoring**

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
  - (a) point source emissions specified in tables S3.1, S3.2 and S3.3;
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.

## **3.6 Pests**

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.6.2 The operator shall:
  - (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
  - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

# **4 Information**

## **4.1 Records**

- 4.1.1 All records required to be made by this permit shall:
  - (a) be legible;
  - (b) be made as soon as reasonably practicable;
  - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
  - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
    - (i) off-site environmental effects; and
    - (ii) matters which affect the condition of the land and groundwater.



4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

## 4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production /treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

## 4.3 Notifications

4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
  - (i) inform the Environment Agency,
  - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
  - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
  - (i) inform the Environment Agency, and
  - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) 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, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.3.6 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:

- (a) a decision by the Secretary of State not to re-certify the agreement;
- (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
- (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

## **4.4 Interpretation**

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately" in which case it may be provided by telephone.

# Schedule 1 – Operations

| <b>Table S1.1 activities</b>        |   |  |  |
|-------------------------------------|---|--|--|
| <b>Activity reference</b>           | <b>Activity listed in Schedule 1 of the EP Regulations</b>  | <b>Description of specified activity</b>   | <b>Limits of specified activity</b>  |
| AR1                                 | S6.8 A1 (d)(iii) Treatment and processing of animal and vegetable raw materials (other than milk only) with a finished production capacity in tonnes per day greater than – (aa) 75 where (the portion of animal materials in percent of weight of the finished production capacity) is equal to 10 or more | Producing chocolates and confectionery products  | From receipt of raw materials to dispatch of final product.  |
| AR2                                 | S5.4 A1 (a)(ii) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving one or more of the following activities;<br>(ii) physico-chemical treatment   | Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical treatment via settlement, screening and pH balancing.<br>D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D12. | From receipt of process effluent in the effluent treatment plant to discharge to foul sewer.   |
| <b>Directly Associated Activity</b> |   |  |  |
| AR3                                 | Steam and heat generation   | 3 x 3.7 MWth natural gas fired boilers providing steam for the steam clarifiers.<br>3 x 0.15MWth natural gas fires boilers providing hot water to the chocolate storage tank jackets.  | From receipt of fuels to emissions of combustion gases.  |
| AR4                                 | Raw materials storage and handling  | Storage and handling of raw materials and ingredients in tanks and containers, including refrigeration storage.  | From receipt of raw materials to use within the installation.  |
| AR5                                 | Refrigeration plant and storage of final product  | Refrigeration of raw material and final packaged product and operation of refrigeration plant.   | From receipt of raw material or final product to dispatch from cold storage, including storage and handling of refrigeration chemicals and/or gases. |
| AR6                                 | Storage and handling of chemicals   | Handling and storage of chemicals for use in cleaning, fuelling and pH balancing.  | From receipt of chemicals to use within the installation.  |

| <b>Table S1.1 activities</b> |  |   |   |
|------------------------------|--|---|---|
| <b>Activity reference</b>    | <b>Activity listed in Schedule 1 of the EP Regulations</b> | <b>Description of specified activity</b>  | <b>Limits of specified activity</b>   |
| AR7                          | Waste storage and handling                                 | Handling, storage, transfer and dispatch of waste from the permitting activities. | From the generation of waste to the offsite disposal/recovery of waste.                         |
| AR8                          | Surface water drainage                                     | Collection and discharge of uncontaminated run-off from roads, roofs and yards.   | From collection of uncontaminated surface water to discharge off-site via site drainage system. |

| <b>Table S1.2 Operating techniques</b>      |   |                      |
|---|---|----------------------|
| <b>Description</b>                          | <b>Parts</b>  | <b>Date Received</b> |
| Application<br>EPR/WP3639QM/A001            | Parts B2 and B3 of application form including technical standards listed in Table 3a of form B3<br><br>The supporting information documents referenced: <ul style="list-style-type: none"> <li>• Non-technical summary</li> <li>• BATOT Final</li> <li>• Environmental Risk Assessment Final</li> </ul>           | 20/04/2020           |
| Additional information<br>EPR/WP3639QM/A001 | Email response to information request detailing <ul style="list-style-type: none"> <li>• the bunding construction and volumes of various chemicals stored on site</li> <li>• locations of the chemical stored</li> <li>• monitoring of storage areas for containment leaks</li> <li>• spill procedures</li> </ul> | 02/07/2020           |

| <b>Table S1.3 Improvement programme requirements</b> |   |                                  |
|--|---|----------------------------------|
| <b>Reference</b>                                     | <b>Requirement</b>  | <b>Date</b>                      |
| IC1  | The operator shall undertake a review of pollution prevention measures associated with operation of the external yard areas used for the storage of raw food ingredients and chemicals and submit a report to the Environment Agency for approval, detailing the findings of the review. The review shall give consideration to: <ul style="list-style-type: none"> <li>• the requirements set-out in Environment Agency guidance on <u>pollution prevention for businesses</u> and <u>controlling and monitoring emissions</u>;</li> <li>• the methodology detailed in CIRIA C736 - Containment Systems for the Prevention of Pollution - Secondary, tertiary and other measures for industrial and commercial premises;</li> <li>• ensuring that only uncontaminated surface water run-off is discharged via surface water drains 2 and 3.</li> </ul> | 3 months from permit issue date. |

| <b>Table S1.3 Improvement programme requirements</b> |   |             |
|--|---|-------------|
| <b>Reference</b>                                     | <b>Requirement</b>  | <b>Date</b> |
|  | The report shall also include proposals for undertaking any remedial action and/or improvements identified by the review to ensure that appropriate pollution prevention measures are implemented within an agreed timeframe. |             |

## Schedule 2 – Raw materials and fuels

| Table S2.1 Raw materials and fuels |               |
|------------------------------------|---------------|
| Raw materials and fuel description | Specification |
| -                                  | -             |

## Schedule 3 – Emissions and monitoring

| <b>Emission point ref. &amp; location</b>   | <b>Source</b>                  | <b>Parameter</b>  | <b>Limit (including unit)</b> | <b>Reference period</b> | <b>Monitoring frequency</b> | <b>Monitoring standard or method</b> |
|---|--------------------------------|---|-------------------------------|-------------------------|-----------------------------|--------------------------------------|
| A1 – A6 as shown on site plan in Schedule 7 | Natural gas fired boiler plant | Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> ) | No limit set                  | -                       | -                           | -                                    |

| <b>Emission point ref. &amp; location</b>  | <b>Source</b>                      | <b>Parameter</b> | <b>Limit (incl. unit)</b> | <b>Reference Period</b> | <b>Monitoring frequency</b> | <b>Monitoring standard or method</b> |
|--|------------------------------------|------------------|---------------------------|-------------------------|-----------------------------|--------------------------------------|
| SW1 – SW3 as shown on plan in Schedule 7. Emission to Oakerthorpe Brook via land drain                           | Site surface water drainage system | No parameter set | No limit set              | -                       | -                           | -                                    |
| SW4 as shown on plan in schedule 7. Emission to Oakerthorpe Brook  | Site surface water drainage system | No parameter set | No limit set              | -                       | -                           | -                                    |
| SW5 as shown on site plan in schedule 7. Emission to Severn Trent Water municipal surface water drainage system. | Site surface water drainage system | No parameter set | No limit set              | -                       | -                           | -                                    |

| <b>Emission point ref. &amp; location</b>           | <b>Source</b>                 | <b>Parameter</b> | <b>Limit (incl. Unit)</b> | <b>Reference period</b> | <b>Monitoring frequency</b> | <b>Monitoring standard or method</b> |
|---|-------------------------------|------------------|---------------------------|-------------------------|-----------------------------|--------------------------------------|
| W1 as shown on site plan in schedule 7. Emission to | Treated process effluent from | No parameter set | No limit set              | -                       | -                           | -                                    |

| <b>Table S3.3 Point source emissions to sewer</b> |                          |                  |                           |                         |                             |                                      |
|---|--------------------------|------------------|---------------------------|-------------------------|-----------------------------|--------------------------------------|
| <b>Emission point ref. &amp; location</b>         | <b>Source</b>            | <b>Parameter</b> | <b>Limit (incl. Unit)</b> | <b>Reference period</b> | <b>Monitoring frequency</b> | <b>Monitoring standard or method</b> |
| Severn Trent<br>Water foul sewer                  | confectionery production |                  |                           |                         |                             |                                      |



## Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

| <b>Table S4.1 Reporting of monitoring data</b> |   |                         |                      |
|--|---|-------------------------|----------------------|
| <b>Parameter</b>                               | <b>Emission or monitoring point/reference</b> | <b>Reporting period</b> | <b>Period begins</b> |
| -  | -   | -                       | -                    |

| <b>Table S4.2: Annual production/treatment</b> |              |
|--|--------------|
| <b>Parameter</b>                               | <b>Units</b> |
| Finished product                               | tonnes       |

| <b>Table S4.3 Performance parameters</b> |                                |              |
|--|--------------------------------|--------------|
| <b>Parameter</b>                         | <b>Frequency of assessment</b> | <b>Units</b> |
| Water usage                              | Annually                       | tonnes       |
| Energy usage                             | Annually                       | MWh          |
| Total raw material used                  | Annually                       | tonnes       |

| <b>Table S4.4 Reporting forms</b> |   |                     |
|-----------------------------------|---|---------------------|
| <b>Media/parameter</b>            | <b>Reporting format</b>   | <b>Date of form</b> |
| Water usage                       | Form water usage 1 or other form as agreed in writing by the Environment Agency | 09/10/2020          |
| Energy usage                      | Form energy 1 or other form as agreed in writing by the Environment Agency      | 09/10/2020          |
| Other performance indicators      | Form performance 1 or other form as agreed in writing by the Environment Agency | 09/10/2020          |

# 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                  |  |
| Name of operator               |  |
| Location of Facility           |  |
| Time and date of the detection |  |

|   |  |
|---|--|
| <b>(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution</b> |  |
| <b>To be notified within 24 hours of detection</b>  |  |
| Date and time of the event  |  |
| Reference or description of the location of the event   |  |
| Description of where any release into the environment took place  |  |
| Substances(s) potentially released  |  |
| Best estimate of the quantity or rate of release of substances  |  |
| Measures taken, or intended to be taken, to stop any emission   |  |
| Description of the failure or accident.   |  |

|   |  |
|---|--|
| <b>(b) Notification requirements for the breach of a limit</b>                      |  |
| <b>To be notified within 24 hours of detection unless otherwise specified below</b> |  |
| Emission point reference/ source  |  |
| Parameter(s)  |  |
| Limit   |  |
| Measured value and uncertainty  |  |
| Date and time of monitoring   |  |

|   |  |
|---|--|
| <b>(b) Notification requirements for the breach of a limit</b>                      |  |
| <b>To be notified within 24 hours of detection unless otherwise specified below</b> |  |
| Measures taken, or intended to be taken, to stop the emission                       |  |

|   |                            |
|---|----------------------------|
| <b>Time periods for notification following detection of a breach of a limit</b> |                            |
| <b>Parameter</b>  | <b>Notification period</b> |
|   |                            |
|   |                            |
|   |                            |

|  |  |
|--|--|
| <b>(c) Notification requirements for the detection of any significant adverse environmental effect</b> |  |
| <b>To be notified within 24 hours of detection</b>   |  |
| Description of where the effect on the environment was detected  |  |
| Substances(s) detected   |  |
| Concentrations of substances detected  |  |
| Date of monitoring/sampling  |  |

## Part B – to be submitted as soon as practicable

|  |  |
|--|--|
| Any more accurate information on the matters for notification under Part A.  |  |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident   |  |
| 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 |  |
| The dates of any unauthorised emissions from the facility in the preceding 24 months.  |  |

|           |  |
|-----------|--|
| Name*     |  |
| Post      |  |
| Signature |  |
| Date      |  |

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“disposal”. Means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission or background concentration limit.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“Hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005 (as amended).

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

Pests” means Birds, Vermin and Insects.

“recovery” means any of the operations provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

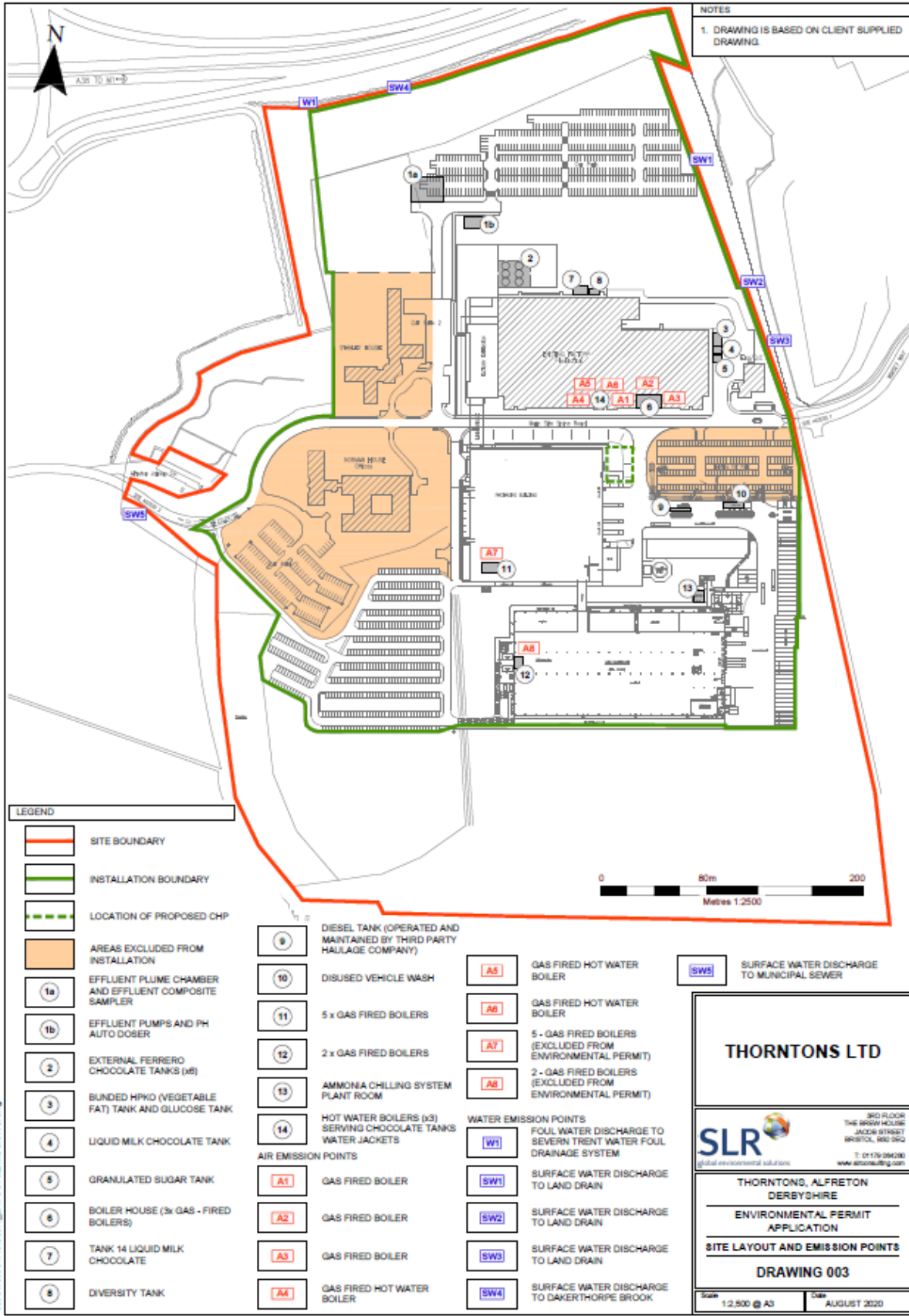
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels other than gas engines or gas turbines, 6% dry for solid fuels; and/or
- in relation to emissions from gas engines or gas turbines, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 15% dry for liquid and gaseous fuels ; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

“year” means calendar year ending 31 December.

# Schedule 7 – Site plan



END OF PERMIT