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## **Permit with introductory note**

The Environmental Permitting (England & Wales) Regulations 2016

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**Abril Industrial Waxes Limited**

**Abril Industrial Waxes  
Sturmi Way  
Village Farm Industrial Estate  
Pyle  
Bridgend  
CF33 6BZ**

Permit number

**EPR/BV5858IW**

# Abril Industrial Waxes

## Permit number EPR/BV5858IW

### Introductory note

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

The main features of the permit are as follows.

The main features of the installation are as follows. The manufacturing process involves reacting acids with amines and heating the reaction to 165°C before spray drying or flaking the product into its final solid form. Total manufacturing capacity is about 12 tonnes per day. The basic batch production process consists of several stages, plus directly associated activities: Raw materials, handling & storage; Chemical reaction; Effluent control; Finishing products; Packing & storage; Recycling; and Waste handling. The two main raw materials are stearic acid and ethylenediamine which are stored in heated bulk tanks from which the material is pumped via a totally enclosed system into the reaction vessels. The process reacts acids with amines. It is a condensation reaction. As the reaction of the acid and amine proceeds, molecules of acid (raw material) combine with molecules of amine (raw material) to form much larger molecules (finished product).

At the same time hydrogen and oxygen are released which immediately combine to form water. The reaction is exothermic giving off energy in the form of heat. The heat raises the temperature of the reacting mass so that the water is driven off in the form of steam. The steam is cooled to liquid water in the condensers and the water is discharged as effluent. There are three reaction vessels which have common systems for raw materials and auxiliaries. The two finishing lines can be supplied from any of the three vessels. A hot oil system which is powered by a gas boiler is used to raise the temperature to 165°C to produce the wax and complete the reaction. The molten wax is then pumped via heated pipe lines to an atomizer chamber where it is spray dried to form a powder, prill or bead and subsequently cooled prior to bagging and palletising. Alternatively the molten wax is solidified via a cooled drum to produce a flaked form.

Nitrogen used in the process is generated on site from a compressor unit with a specific output of 100 L per minute, extracting nitrogen from air.

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 received<br>EPR/BV5858IW | Duly made<br>02/09/2003 |                        |
| Request to extend<br>determination   | 22/12/2003              | Extended to 08/01/2004 |
| Permit determined<br>EPR/BV5858IW    | 25/03/2004              |                        |
| Regulation 18 change                 | 12/02/2007              | 20/03/2007             |
| Application<br>EPR/BV5858IW/V002     | Duly Made<br>18/09/2007 |                        |

| Status log of the permit                             |                      |                                                                                                                                                    |
|------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                                          | Date                 | Comments                                                                                                                                           |
| Additional information received                      | 05/11/2007           | New release point plan supplied.                                                                                                                   |
| Variation determined EPR/BV5858IW                    | 16/01/2008           | Varied permit issued.                                                                                                                              |
| Application EPR/BV5858IW/V003                        | Duly made 23/04/2014 | Application to increase oil and grease discharge limit                                                                                             |
| Variation determined EPR/BV5858IW                    | 19/06/2014           | Varied permit issued.                                                                                                                              |
| Variation Application EPR/BV5858IW/V004              | 03/12/2014           |                                                                                                                                                    |
| Further information supplied                         | 03/03/2015           | Risk Assessment Information                                                                                                                        |
| Further information supplied                         | 31/03/2015           | Particulate Monitoring system detail                                                                                                               |
| Variation Application determined EPR/BV5858IW/V004   | 20/05/2015           |                                                                                                                                                    |
| Variation Application PAN-026655 (ERP/BV5858IW/V005) | Duly Made 06/05/2025 | Variation to add a new production line and emission point to Air and to change the permit from a low impact installation to a normal installation. |
| Additional information                               | 05/08/2025           | Assessment of the site against BAT conclusions for fine organic chemicals.                                                                         |
| Variation Determined EPR/BV5858IW/V005               | 27/08/2025           | Variation Issued                                                                                                                                   |

End of introductory note

# Permit

The Environmental Permitting (England and Wales) Regulations 2016

**Permit number**  
**EPR/BV5858IW**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/BV5858IW/V005 authorising,

**Abril Industrial Waxes Limited** (“the operator”),  
whose registered office is

**Unit 6**  
**Munday Industrial Estate**  
**58-66 Morley Road**  
**Tonbridge**  
**Kent**  
**TN9 1RP**

company registration number **04646926**

to operate an installation at

**Abril Industrial Waxes**  
**Sturmi Way**  
**Village Farm Industrial Estate**  
**Pyle**  
**Bridgend**  
**CF33 6BZ**

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

| Name               | Date              |
|--------------------|-------------------|
| <b>Holly Noble</b> | <b>27/08/2025</b> |

Authorised on behalf of Natural Resources Wales

# 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
  - (a) 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 Natural Resources Wales.
  - (b) If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales 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 Natural Resources Wales.
- 2.3.2 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.3 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.
- 2.3.4 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 Natural Resources Wales.
- 2.4.2 Except in the case of an improvement which consists only of a submission to Natural Resources Wales, the operator shall notify Natural Resources Wales 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 Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales 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 Natural Resources Wales.
- 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 Natural Resources Wales, 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 Natural Resources Wales that the activities are giving rise to pollution outside the site due to odour, submit to Natural Resources Wales 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 Natural Resources Wales.

## **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 Natural Resources Wales, 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 Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales 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 Natural Resources Wales.

## **3.5 Monitoring**

- 3.5.1 The operator shall, unless otherwise agreed in writing by Natural Resources Wales, 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 Natural Resources Wales.
- 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 and S3.2 unless otherwise agreed in writing by Natural Resources Wales.

# **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 Natural Resources Wales, 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 Natural Resources Wales.

## **4.2 Reporting**

- 4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to Natural Resources Wales by 31 January (or other date agreed in writing by Natural Resources Wales) 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 Natural Resources Wales, 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 Natural Resources Wales, 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.
- 4.2.5 The operator shall submit an annual solvent management plan in order to demonstrate compliance with the requirements of the Industrial Emissions Directive, by 31 January each year in respect of the previous year.

## 4.3 Notifications

- 4.3.1 (a) In the event 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 Natural Resources Wales,
  - (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) in the event of a breach of any permit condition the operator must immediately—
- (i) inform Natural Resources Wales, and
  - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) 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, 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 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 Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 Natural Resources Wales 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.
- 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) Natural Resources Wales 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 Natural Resources Wales shall be given at least 14 days notice before implementation of any part of the site closure plan.

## **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

**Table S1.1 activities**

| Activity reference                  | Activity listed in Schedule 1 of the EP Regulations                                                           | Description of specified activity                                             | Limits of specified activity                                                                                                                     |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| A1                                  | Section 4.1 Part A1 (a)<br>Producing organic chemicals such as-<br>(iv) organic compounds containing nitrogen | Industrial Wax Production                                                     | Raw Material handling and storage, chemical reaction, effluent control ,finishing products packaging and storing<br>Recycling and waste handling |
| A2                                  | Section 4.1A1(a)<br>Producing organic chemicals such as- (ii)<br>organic compounds containing oxygen          | Industrial Wax Production                                                     | Raw Material handling and storage, chemical reaction, effluent control ,finishing products packaging and storing<br>Recycling and waste handling |
| A3                                  | A3 - Section 4.2A1(a)<br>Producing inorganic chemicals such as— (i)<br>gases (production of nitrogen)         | Generation of nitrogen gas                                                    | Generation of nitrogen gas for onsite use                                                                                                        |
| <b>Directly Associated Activity</b> |                                                                                                               |                                                                               |                                                                                                                                                  |
| A4                                  | Holding tanks                                                                                                 | Storage of finished wax product in holding tank with passive emissions to air | Storage of finished wax product only.                                                                                                            |

**Table S1.2 Operating techniques**

| Description                                                       | Parts                                                                                                                     | Date Received |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------|
| Application BV5858IW                                              | The responses to questions 2.1 and 2.2 and given in section 2.1 of the application                                        | 22/08/2003    |
| Variation application 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. | 19/09/2007    |
| Supporting information to variation application EPR/BV5858IW/V004 | 1 – 4.5.1.4 & Appendix 1 Site Plans                                                                                       | 03/12/2014    |
| Variation Application EPR/BV5858IW/V005                           | • ENVIRONMENTAL RISK ASSESSMENT (Version 3)                                                                               | 19/06/2025    |
| Additional information EPR/BV5858IW/V005                          | • ENVIRONMENTAL PERMITTING TECHNICAL REQUIREMENTS DOCUMENT (Version 4)                                                    | 05/08/2025    |

**Table S1.3 Improvement programme requirements**

| Reference | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Date                                                       |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| IC1       | The operator is required to undertake an assessment of the installation and permitted activities against the requirements of the Low Impact Installation checklist and associated guidance notes, with an aim to determine if the installation can still be considered as low impact. The assessment must include an assessment of particulate emissions using the H1 software tool or an equivalent standard, for all emission points to air. A report must then be submitted to Natural Resources Wales for consideration detailing the findings of the assessment – Natural Resources Wales will then reach a decision on the installations Low Impact Status. If it is decided the installation no longer meets the criteria to be considered as low impact then a variation application must be submitted by the operator to vary the installation from a low impact site to a normal installation. | Superseded by Application EPR/BV5858I W/V005)              |
| IC2       | The operator must undertake monitoring of pre-abatement emissions of volatile organic emissions from the drum handling area to validate the H1 air risk assessment (AIWL.01.01_H1 (Air) - Issue 1).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Within three months of commissioning of emission point A16 |

## Schedule 2 - Waste types, raw materials and fuels

**Table S2.1 Raw materials and fuels**

| Raw materials and fuel description | Specification |
|------------------------------------|---------------|
| None Specified.                    | N/A           |

## Schedule 3 – Emissions and monitoring

| <b>Table S3.1 Point source emissions to air – emission limits and monitoring requirements</b> |                                                |                    |                               |                         |                             |                                      |
|-----------------------------------------------------------------------------------------------|------------------------------------------------|--------------------|-------------------------------|-------------------------|-----------------------------|--------------------------------------|
| <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> |
| A2 on site plan in schedule 7                                                                 | LEV system Vent                                | Particulate Matter | No visible dust               | Periodic                | Daily                       | Visual inspection                    |
| A3 on Emission Point Plan 2 in schedule 7                                                     | AirMaster Bag filter vent                      | Particulate Matter | No visible dust               | Periodic                | Daily                       | Visual inspection                    |
| A4 on site plan in schedule 7                                                                 | Flaker unit Vent                               | None               | No Limit set                  | -                       | -                           | -                                    |
| A5 on site plan in schedule 7                                                                 | Emer                                           | None               | No Limit set                  | -                       | -                           | -                                    |
| A6 on site plan in schedule 7                                                                 | Gas boiler stack                               | None               | No Limit set                  | -                       | -                           | -                                    |
| A7 on site plan in schedule 7                                                                 | Stearic acid tank pressure relief valve        | None               | No Limit set                  | -                       | -                           | -                                    |
| A8 on site plan in schedule 7                                                                 | Ethylene diamine tank pressure relief valve    | None               | No Limit set                  | -                       | -                           | -                                    |
| A9 on site plan in schedule 7                                                                 | Effluent tank vent                             | None               | No Limit set                  | -                       | -                           | -                                    |
| A10 on site plan in schedule 7                                                                | Second Stearic acid tank pressure relief valve | None               | No Limit set                  | -                       | -                           | -                                    |
| A12 on Emission Point Plan 2 in schedule 7                                                    | Second Airmaster bag filter vent               | Particulate Matter | No visible dust               | Periodic                | Daily                       | Visual inspection                    |

**Table S3.1 Point source emissions to air – emission limits and monitoring requirements**

| Emission point ref. & location | Source                                      | Parameter          | Limit (including unit) | Reference period | Monitoring frequency | Monitoring standard or method |
|--------------------------------|---------------------------------------------|--------------------|------------------------|------------------|----------------------|-------------------------------|
| A14 on site plan in schedule 7 | Dust Extraction filter                      | Particulate Matter | No visible dust        | Periodic         | Daily                | Visual inspection             |
| A15 on site plan in schedule 7 | Explosion Vent for Blender<br>Baghouse Vent | -                  |                        |                  |                      |                               |
| A16 on site plan in schedule 7 | Drum Handling LEV Vent                      | -                  | -                      | -                | -                    | -                             |
| A17 on site plan in schedule 7 | Holding tank (Tank 4) Vent                  | None               | -                      | -                | -                    | -                             |
| A18 on site plan in schedule 7 | Holding tank (Tank 5) Vent                  | None               | -                      | -                | -                    | -                             |

**Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements**

| Emission point ref. & location | Source                         | Parameter | Limit (incl. unit) | Reference Period | Monitoring frequency | Monitoring standard or method |
|--------------------------------|--------------------------------|-----------|--------------------|------------------|----------------------|-------------------------------|
| W1 on site plan in schedule 7  | Uncontaminated surface run off | -         | -                  | -                | -                    | -                             |
| W2 on site plan in schedule 7  |                                |           |                    |                  |                      |                               |
| W3 on site plan in schedule 7  |                                |           |                    |                  |                      |                               |
| W4 on site plan in schedule 7  |                                |           |                    |                  |                      |                               |
| W5 on site plan in schedule 7  |                                |           |                    |                  |                      |                               |



**Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements**

| Emission point<br>ref. & location | Source           | Parameter                      | Limit (incl. Unit) | Reference<br>period | Monitoring<br>frequency | Monitoring<br>standard or<br>method |
|-----------------------------------|------------------|--------------------------------|--------------------|---------------------|-------------------------|-------------------------------------|
| S1                                | Process effluent | Suspended solids               | 400 mg/l           |                     | Monthly                 | BS EN 872                           |
|                                   |                  | Chemical oxygen<br>demand mg/l | 20 000 mg/l        |                     | Monthly                 | BS 6068-2.34 or<br>BS ISO 15705     |
|                                   |                  | pH                             | 6-10               |                     | Monthly                 | See Note 1                          |
|                                   |                  | Temperature °C                 | 43                 |                     | Monthly                 | See Note 1                          |
|                                   |                  | Oil and Grease                 | 150 mg/l           |                     | Monthly                 | See Note 1                          |
|                                   |                  | Flow                           | 1000 litre/day     |                     | Daily                   | See Note 1                          |

Note [1]: Methods for monitoring shall be carried out as specified by the appropriate CEN standard. If CEN standards are not available, ISO standards shall be used. If ISO standards are not available then national standards which will ensure the provision of data of an equal scientific quality shall apply.

## Schedule 4 - Reporting

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

**Table S4.1 Reporting of monitoring data**

| Parameter                                                      | Emission or monitoring point/reference | Reporting period | Period begins |
|----------------------------------------------------------------|----------------------------------------|------------------|---------------|
| Emissions to air<br>Parameters as required by condition 3.5.1. | A2, A3, A12 and A14                    | Every 12 months  | 1 January     |
| Sewer monitoring<br>Parameters as required by condition 3.5.1  | S1                                     | Every 3 months   | 1 January     |

**Table S4.2: Annual production/treatment**

| Parameter                 | Units  |
|---------------------------|--------|
| Industrial Wax production | tonnes |

**Table S4.3 Performance parameters**

| Parameter               | Frequency of assessment | Units  |
|-------------------------|-------------------------|--------|
| Water usage             | Annually                | tonnes |
| Energy usage            | Annually                | MWh    |
| Total raw material used | Annually                | tonnes |

**Table S4.4 Reporting forms**

| Media/parameter              | Reporting format                                                                 | Date of form |
|------------------------------|----------------------------------------------------------------------------------|--------------|
| Air                          | Form air 1 or other form as agreed in writing by Natural Resources Wales         | 16/05/2014   |
| Sewer                        | Form sewer 1 or other form as agreed in writing by Natural Resources Wales       | 27/08/2025   |
| Water usage                  | Form water usage 1 or other form as agreed in writing by Natural Resources Wales | 27/08/2025   |
| Energy usage                 | Form energy 1 or other form as agreed in writing by Natural Resources Wales      | 27/08/2025   |
| Other performance indicators | Form performance 1 or other form as agreed in writing by Natural Resources Wales | 27/08/2025   |

## 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 activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment</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 permit condition</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                                                         |  |
| 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> |
|                                                                                 |                            |

|  |  |
|--|--|
|  |  |
|  |  |

**(c) 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:**

**To be notified within 24 hours of detection**

|                                                                 |  |
|-----------------------------------------------------------------|--|
| 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.                                                                  |  |

|                  |  |
|------------------|--|
| <b>Name*</b>     |  |
| <b>Post</b>      |  |
| <b>Signature</b> |  |
| <b>Date</b>      |  |

\* 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 Natural Resources Wales 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.

*“building”* means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

*“emissions to land”* includes emissions to groundwater.

*“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 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 (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

*“MCERTS”* means the Environment Agency’s Monitoring Certification Scheme.

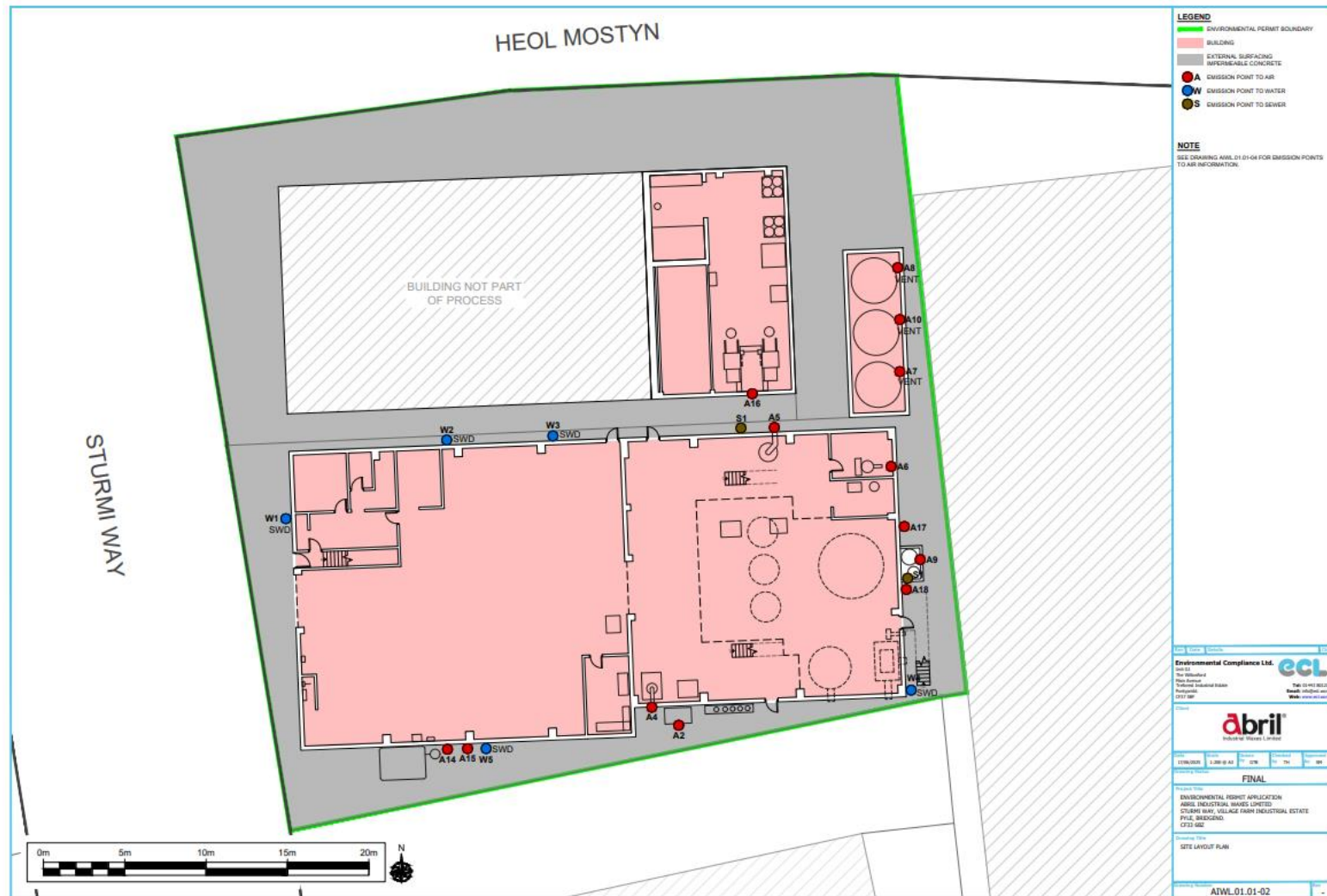
*“year”* means calendar year ending 31 December.

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.

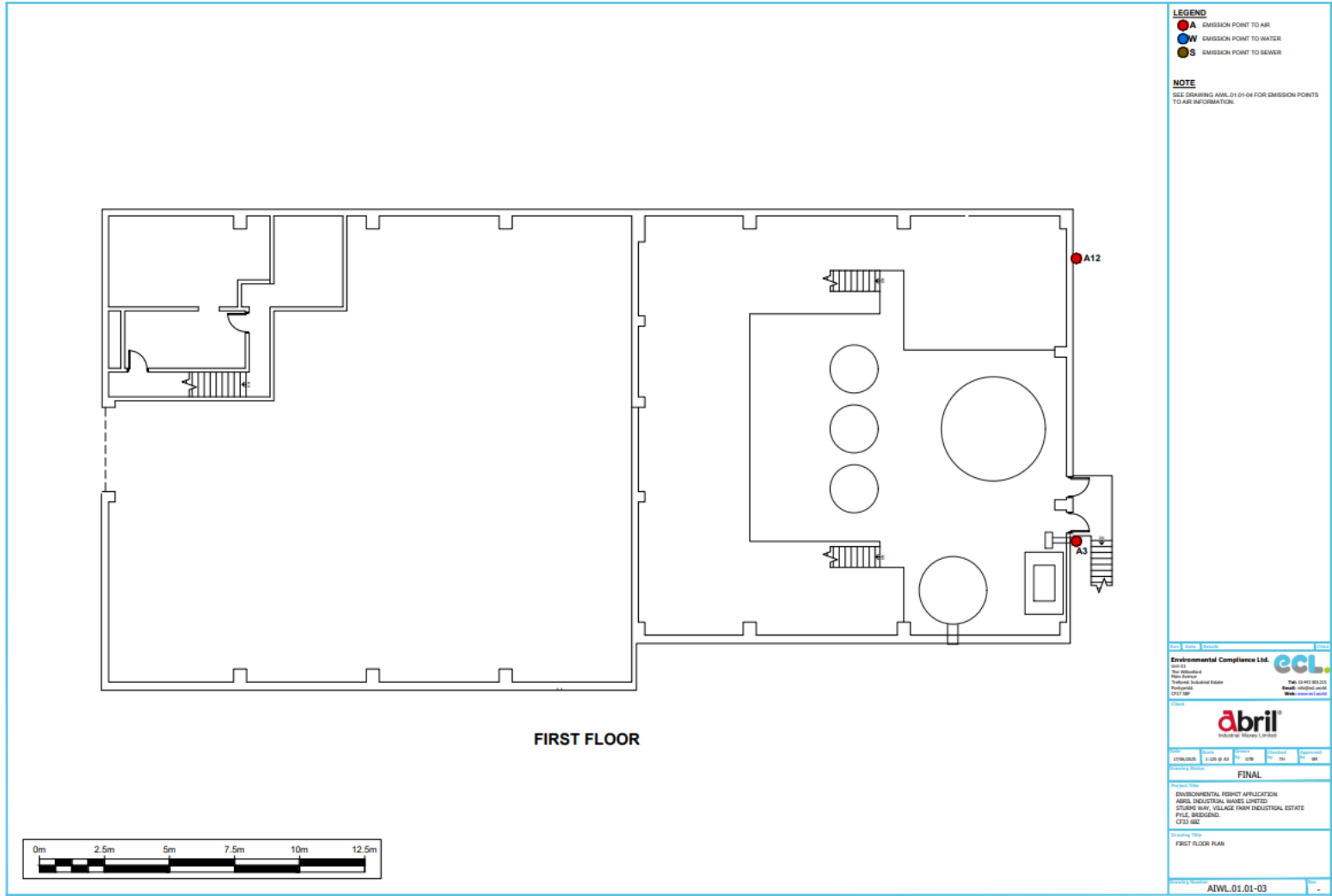
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

in relation to emissions from 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

### Site and Emission Point Plan (Plan 1)



Emission Point Plan (Plan 2)



END OF PERMIT.