

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Halewood International Limited

The Sovereign Distillery
Wilson Road
Huyton Business Park
Liverpool
Mersey
L36 6AD

Permit number

EPR/MP3137JY

The Sovereign Distillery

Permit number EPR/MP3137JY

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Halewood International Ltd (Halewood) operate a manufacturing, processing, bottling, storage and distribution facility (the Facility) for the supply of alcoholic drinks to the retail sector. Their products include Crabbies Ginger Beer, Lambrini perry and Whitley Neill gin among others. The Facility is located in the Huyton Business Park trading estate, Huyton, Liverpool. The site was established in 1993 when the company's headquarters moved from West Yorkshire to Huyton, and has grown in size since then. The installed processing capacity of the facility exceeds the 300 tonnes per day threshold for the treatment and processing of vegetable raw materials. The facility has the capacity to produce 1,337 tonnes of finished product per day. The process may also include the use of animal materials (honey and milk products) meaning that the site is subject to permitting under:

Section S6.8 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)- animal and vegetable raw materials (other than milk only), both in combined and separate products, with a finished product production capacity in tonnes per day greater than—

– (bb) 300-(22.5 x A) in any other case

where 'A' is the portion of animal material in percent of weight of the finished product production capacity.

There is an effluent treatment plant onsite which processes the effluent generated at the Facility prior to discharge to sewer. Water from building roofs in the process area is also directed to the wastewater treatment plant under the contained drainage. Prior to discharge to sewer, trade effluents from the process are treated in a 60,000L cylindrical wastewater treatment plant. The plant utilises a BioAmp 5000 CCU system to improve the quality. The pH is monitored and adjusted in a 7,000 l reaction tank prior to discharge to sewer. Due to the capacity of the system, this is also a listed activity:

S5.4 Part A(1) (a) (i) &(ii) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving:

(i) biological treatment;

(ii) physico-chemical treatment;

The typical hours of operation for the Facility is 06:00am Monday to 06:00am Saturday, with occasional operation on Saturdays between 6:00am to 2:00pm. The Facility does not currently operate on Sundays. However, there are no restrictions on the hours of operation of the Facility.

The Facility covers an area of approximately 30 acres, which comprises a number of large warehouses, bottling halls, distilling and fermentation rooms, storage and loading areas. The site is located west of Tarbock Island (the M62/M57/A5300 junction), off the A5080 and opposite the Chapel Brook Brewers Fayre. The site is bounded immediately to the southwest by extensive residential housing in Tarbock Green, with the A580 lying adjacent to the southeast. Wilson Road lies along the northeast perimeter of the site with industrial buildings on the other side of the road, including a household waste recycling centre. Further industry is present northwest of the site. The wider area beyond the site comprises a mixture of suburban residential housing, industrial areas and agricultural fields.

The Facility includes fermentation, distillation, pasteurisation and bottling lines. The Facility includes seven main bottling and canning lines which are capable of producing up to approximately 28 million cases of bottled and canned products per annum.

In addition to the drinks manufacturing process, the Facility includes the following directly associated activities:

- Combustion systems: The Facility includes three gas-fired boilers each with a thermal output of 1.61 MWth. The gas fired boilers supply hot water to the manufacturing process for cleaning, pasteurisation and distillation. The fire-fighting sprinkler system utilises 2 diesel generators. As the generators will only operate in the event of a fire (or for testing purposes - less than 50 hours per annum), they are not considered to be a point source of emissions to air.
- Cleaning In Practice: (CIP) systems are in place at different parts of production, with flush systems primarily utilised. The systems are not run at set time intervals, however they are used frequently after changes in product type on each production line, or for the cleaning of tanks in all areas. A cleaning matrix is used to decide which cleaning method is necessary.
- Handling and treatment of waste which includes baling and compacting: Plastic and cardboard wastes arise mainly from the packaging and palletising of products prior to distribution.
- Compressed air generation: Pre-rinsing' of lines and hoses with compressed air is utilised to recover as much product as possible and minimise waste.
- Raw materials are delivered to the site via road in HGVs and stored. The gin stills are 500 litres each (x2 vessels) and other high strength bulk spirits are stored in the spirit room alongside intermediate bulk containers.
- Storage and Distribution: Once the products have been manufactured and packaged appropriately, they are transferred for storage in high-bay racking warehouses prior to distribution to customers.
- Refrigerant: There are three chilled water plants and a coldroom at the facility which use different refrigerants; R-134a, R-407C and R-404A.

Storm water drainage is located at various points around the site and goes directly to the waste water treatment plant to minimise surface water run-off. Rainwater run-off from the wine room, spirit room and tanker unloading area roofs will be directed towards the wastewater treatment plant. All other rainwater will be discharged directly to storm drainage as uncontaminated runoff. There are no direct emissions to surface water from the Facility. Laboratories are located adjacent to the de-palletising and glass-unloading areas, for chemical testing of substances.

The Mersey Estuary SPA/Ramsar lie within 10Km of the installation. There are no SSSIs within 2km of the installation boundary.

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

Status log of the permit		
Description	Date	Comments
Application EPR/MP3137JY/A001	Duly made 04/11/19	Application for an Environmental Permit
Additional information received	03/03/20	Confirmation of site boundary. Updated details of the Diesel generator system and sprinkler system Details of the sump and its capacity Updated Environmental Risk Assessment
Permit determined EPR/MP3137JY	07/04/20	Permit issued to Halewood International Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/MP3137JY

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

Halewood International Limited (“the operator”),

whose registered office

**Wilson Road
Huyton Business Park
Liverpool
Mersey
L36 6AD**

company registration number 03920410

to operate an installation

**The Sovereign Distillery
Wilson Road
Huyton Business Park
Liverpool
Mersey
L36 6AD**

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

Name	Date
Philip Lamb	07/04/2020

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 For the following activities referenced in schedule 1, table S1.1 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 and S3.2.

- 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;
- 3.2.3 implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency. 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 and S3.2;
- 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 and S3.2 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 For the following activities referenced in schedule 1, table S1.1. 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 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.

4.3.4 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.

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

4.3.6 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

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Section S6.8 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)- animal and vegetable raw materials (other than milk only), both in combined and separate products, with a finished product production capacity in tonnes per day greater than— – (bb) $300-(22.5 \times A)$ in any other case where 'A' is the portion of animal material in percent of weight of the finished product production capacity.	Processing, bottling, storage and distribution facility for the supply of alcoholic drinks and spirits to the retail sector.	From receipt of raw materials to dispatch of finished packaged products.
S5.4 Part A(1) (a) (i) & (ii): Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day - (i) biological treatment; (ii) physico-chemical treatment;	BioAmp system installed to treat and improve the quality of trade effluent prior to discharge to sewer.	From receipt of raw effluent to discharge to sewer.
Directly Associated Activity		
Combustion plant	The use of combustion plant in the process comprising: Three 1.61 MWth natural gas boilers to generate steam and heat for the supply of hot water to the manufacturing process. 2 diesel generators. (Only operate in the event of a fire or for testing purposes) less than 50 hours per annum.	Receipt of fuel to emission of combustion gases.
Cleaning	Dry and wet cleaning of equipment as specified.	From receipt of raw materials to dispatch of finished products.
Refrigeration plant	Refrigeration using f-gas - Product chillers and chilled storage comprising 3 chilled water plants and a coldroom.	From receipt of refrigerant to dispatch of chilled product.
Compressed air generation	Compressed air is used in the operation of various machines and equipment in the	From production to utilisation in process.

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
	production process. Pre-rinsing' of lines and hoses with compressed air is utilised to recover as much product as possible and minimise waste.	
Storage and Distribution:	Manufactured products are packaged and storage in high-bay racking warehouses prior to distribution.	From product manufacturing to dispatch of product
Storage of raw materials	Storage of liquid and solid raw materials.	From receipt of raw materials to use on site.
Waste treatment, storage and handling	Generation, storage and handling and treatment of liquid and solid wastes.	From generation of waste to their removal off-site.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	B3 of the application section 3 - Answers to Section 3 on application form Part B3 including references to the Food and Drink Sector Guidance EPR 6.10 and the Food, Drink and Milk Industries BREF. The following application Supporting Documents: Supporting Information – EP application Non-Technical Summary Supporting Documents Section 2.6: BAT Summary Section 2.7: Energy Efficiency Section 2.9 :Management System Annex F: Environmental Risk Assessment	Duly Made 04/11/19
Response to Schedule 5 Notice dated 10/02/20	Updated site plan to include all emission points. Updated details of the diesel generator system and sprinkler system Details of chemicals and their storage on site Updated Environmental Risk Assessment Details of the sump and its capacity, containment of massive spillage and firewater.	03/03/20

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The operator shall develop a written noise management plan in line with the Environment Agency's Guidance for Noise and submit it for approval by the Environment Agency. The operator shall implement the approved noise management plan, from the date of approval by the Environment Agency.	12 months

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC2	The Operator shall undertake a review of all storage, venting and containment measures of hazardous chemicals on site to ensure they comply with the requirements as set out in CIRIA Report C736. The operator shall produce a final report to reflect this review and submit it to the Environment Agency for approval in writing. Where any shortfalls in the containment measures are identified, the operator shall include a timescale for improvements within the written report.	12 months
IC3	The operator shall carry out an assessment of the containment infrastructure for fire water and sump capacity, its potential to cause fugitive emissions to surface water, groundwater and soils. The Operator must review the containment measures on site to ensure they comply with the requirements set out in CIRIA Report C736. The operator shall produce a final report to reflect this review and submit it to the Environment Agency for approval in writing. Where any shortfalls in the containment measures are identified, the operator shall include appropriate design & install standards and a reasonable timescale for installing improvements within the written report.	12 months
IC4	<p>The operator shall carry out an assessment in accordance with our Environment Agency Guidance H5 Site condition report – guidance and templates and the European Commission Guidance concerning baseline reports under Article 22(2) of Directive 2010/75/EU on industrial emissions (2014/C 136/03), to consider whether they wish to set baseline reference data for any relevant substances of concern taking into account the condition of pollution prevention measures. Additionally, if storing/using hazardous substances on site, the operator will need to complete a Stage 1 – 3 assessment in line with the guidance set out within our EC Commission Guidance on baseline reports, to determine whether baseline reference data is required for hazardous substances.</p> <p>If as a consequence of this assessment, the Site Condition Report will be subject to modifications, the Operator shall submit a revised Site Condition Report to the Environment Agency for approval. The completed site condition report shall meet the Industrial Emissions Directive Baseline Reporting requirements as stated in Environmental Permitting (England & Wales) Regulation (2016) regulation 35(1) Schedule 7(5)(m).</p>	12 months
IC5	The Operator shall review their refrigerants used on site and cease to use any which are no longer deemed as acceptable in accordance with the relevant regulations. The operator shall substitute unacceptable R404a refrigerants with suitable alternatives as soon as reasonably practicable. The operator shall submit a summary report setting out the operators intentions, with appropriate timescales, for approval in writing by the Environment Agency.	12 months

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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Schedule 3 – Emissions and monitoring

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
A1- Existing Boiler North [Point A1 on site plan in Schedule 7]	Boiler 1	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	250 mg/m ³	Hourly Average	At least every 3 years <small>Note 1</small>	BS EN 14792
		Carbon monoxide	No limit set	--	At least every 3 years <small>Note 1</small>	BS EN 15058
A2 - New Boiler North [Point A2 on site plan in Schedule 7]	Boiler 2	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	100 mg/m ³	Hourly Average	At least every 3 years <small>Note 1</small>	BS EN 14792
		Carbon monoxide	No limit set	--	At least every 3 years <small>Note 1</small>	BS EN 15058
A3 - New Boiler South [Point A3 on site plan in schedule 7]	Boiler 3	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	100 mg/m ³	Hourly Average	At least every 3 years <small>Note 1</small>	BS EN 14792
		Carbon monoxide	No limit set	--	At least every 3 years <small>Note 1</small>	BS EN 15058
A4 – Diesel Generator [Point A4 on site plan in schedule 7]	Generator 1	No parameters set	No limits set	---	---	---
A5 – Diesel Generator [Point A4 on site plan in schedule 7]	Generator 2	No parameters set	No limits set	---	---	---

Note 1: The first measurements shall be carried out within four months of the grant of a permit to, or registration of, the plant, or of the date of the start of the operation, whichever is the latest.

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site– 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 emission to on	Uncontaminated surface water run-off.	No parameters set	No limits set	---	---	---

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site—emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
site Waste Water Treatment Plant						
W2 on site plan in schedule 7 emission to on site Waste Water Treatment Plant	Uncontaminated surface water run-off.	No parameters set	No limits set	---	---	---
S1 on site plan in schedule 7 emission to Huyton Waste Water Treatment Works which discharges to the Netherley Brook	Site effluent treatment plant	Discharge rate	350 m ³ /day	Daily	Daily	Flow meter
		pH	No limits set	Daily	Daily	BS ISO 10523

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 Parameters as required by condition 3.5.1.	A1, A2, A3,	At least every 36 months	1 January
Emissions to sewer	S1	Every 12 months	1 January

Table S4.2: Annual production/treatment	
Parameter	Units
Total Production	Litres

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 S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Tonnes of waste sent off site for recovery or disposal	Annually	tonnes
Refrigerant use	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 the Environment Agency	07/04/20
Sewer	Form sewer1 or other form as agreed in writing by the Environment Agency	07/04/20
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	07/04/20
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	07/04/20
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	07/04/20

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	

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

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

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
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.	

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.

“background concentration” means such concentration of that substance as is present in:

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

“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 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.

“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.

“Medium Combustion Plant” or “MCP” means a combustion plant with a rated thermal input equal to or greater than 1 MW but less than 50 MW.

Pests” means Birds, Vermin and Insects.

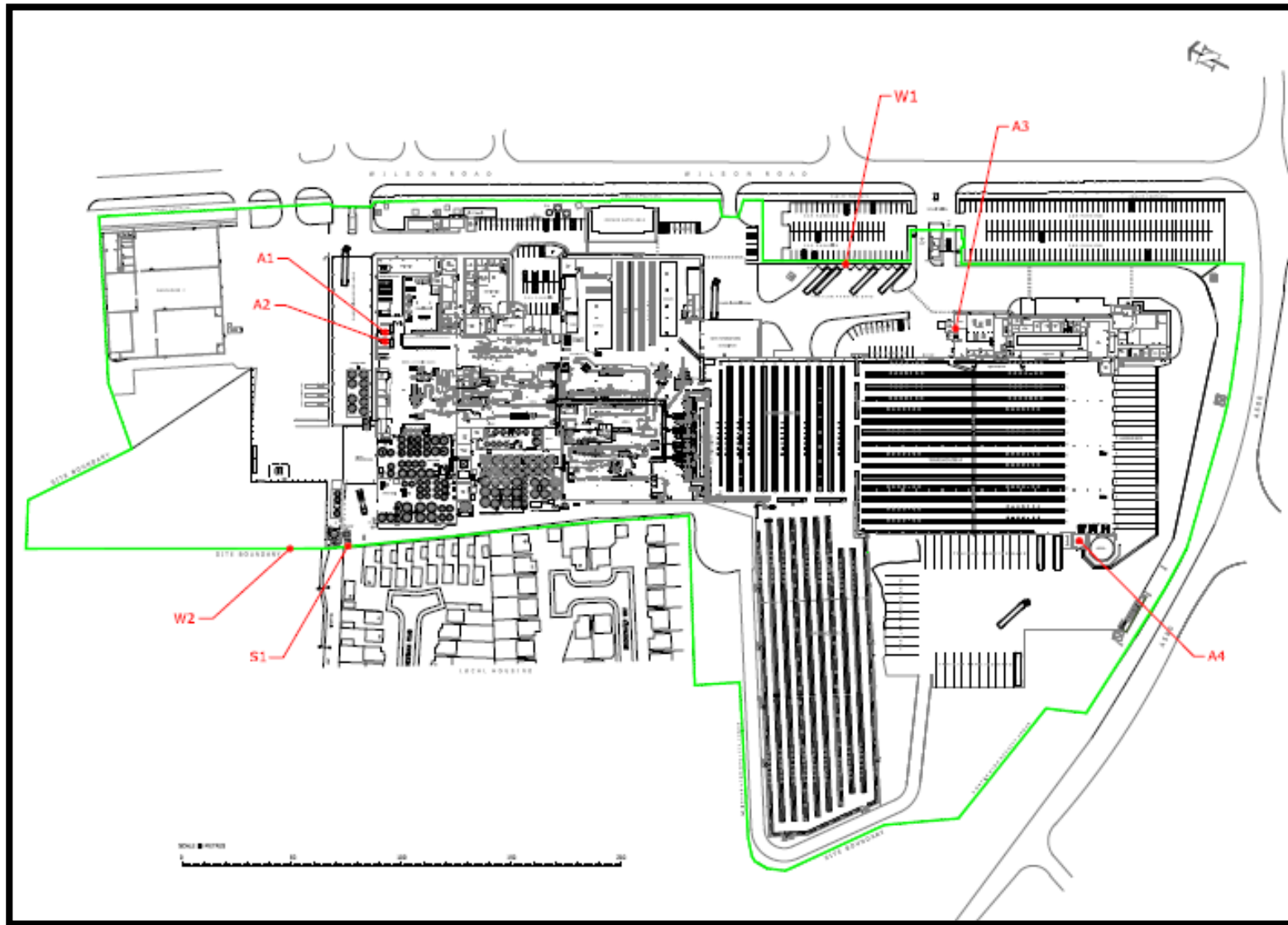
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.


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, 6% dry for solid 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: Emission points



KEY	
	INSTALLATION BOUNDARY
A1	EXISTING BOILER NORTH
A2	NEW BOILER NORTH
A3	NEW BOILER SOUTH
A4	EMERGENCY DIESEL GENERATORS
W1 + W2	SURFACE WATER
S1	FOUL WATER

END OF PERMIT