Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Konings Juices & Drinks UK Limited

Konings Juices and Drinks Suffolk
Stoke Road
Boxford
Sudbury
England
CO10 5AF

Permit number

EPR/GP3005LK

Konings Juices and Drinks Suffolk
Permit number EPR/GP3005LK

Introductory note

This introductory note does not form a part of the permit

Konings Juices and Drinks Suffolk manufacturers juice products from fruit and vegetables. The installation is located within a commercial orchard where the predominant surrounding land use is agricultural and is centred around grid reference TL 96188 38399.

The manufacturer of juices and drinks commenced on this site in 1968 and has grown since that date to a large-scale commercial operation. A new Polyethylene Terephtalate (PET) bottling line has been installed at the installation taking the theoretical output capacity from 242 tonnes per day to 630 tonnes per day. As the capacity of the installation is now above 300 tonnes per day, the site requires a S6.8 A1 (d) (ii) Food and Drink installation permit. There is also a 5.4 A1 (a)(i) effluent treatment plant which treats process waters from the factory, which is included in the permit.

The production process involves the delivery of whole fruits, juices and other raw materials into the installation. These are stored in either ambient or chilled storage areas. A variety of different juices and blends are produced which involve different production processes. Raw apples are transferred into a float tank where they are cleaned and graded before being milled and mashed. The mash is then pressed to extract the apple juice. The waste material from grading and pressing the apples is sent to the adjacent anaerobic digestion plant which does not form part of this permit. The apple juice is stored in tanks before undergoing further processing.

The apple juice is then mixed and blended with other ambient and frozen ingredients to produce the required juice blend. The ambient and frozen ingredients undergo their own processing before being added such as heat treatment filtering. The juice blend is then stored in a final storage tank.

The final juice blend is then either: bulk filtered, loaded onto a bulk tanker and despatched off site; or the juice blend is bottled at the installation. The bottling process involves the sterilisation and preparation of the bottles, filling, capping, labelling and loading onto pallets for dispatch off site. Where possible finished products are reworked into the process in order to minimise wastage.

Surface water and roof water is directed to the onsite surface water drainage system. It passes through an oil interceptor before it is mixed with treated effluent and is piped approximately 280m before being discharged either to the River Box or a lagoon. The operator is not currently discharging to the River Box as it is not possible to consistently achieve the discharge limits for Total Suspended Solids (TSS) and Biological Oxygen Demand (BOD) as set out in table S3.2.

Wastewater generated from the production process is sent to the effluent treatment plant which forms part of the installation. The effluent treatment process involves screening, balancing, dissolved air flotation and biological treatment in aerated tanks. The treated effluent is passed over a v-notch which measures Total Suspended Solids (TSS), if it exceeds the consent limits then it is recirculated back to the balancing tank. The sludge is then either returned to the aeration tanks or sent to the sludge tank for disposal. Treated effluent that is within consented limits is mixed with surface water and is piped approximately 280m before being discharged either to the River Box or a Lagoon.

There are three emission points to air (A1-A3) in table S3.1 of the permit. Emissions from A1 and A2 are from two steam raising boilers, which are 4.41MWth and 4.87MWth respectively. The boilers are fired on natural gas with fuel oil used as a backup. There is an oil storage tank located on the installation. The steam generated from the boilers is used to sterilise the bottles. The emissions from the boilers have been assessed using the H1 screening tool. We have undertaken our own checks using the Environment Agency's own screening tools and there are no expected significant impacts from the boilers on any human or ecological receptors. The boilers were commissioned prior to December 2018 and are classed as existing Medium Combustion Plant (MCP). Emission limits have been set for the two boilers based upon the requirements of the Medium Combustion Plant Directive (MCPD).

Emissions from A3 are from a scrubber which treats paracetic acid heavy vapours generated from the bottle sterilisation process. An improvement condition has been added to assess the emissions from the scrubber as suitable monitoring has not been provided.

All external working areas are concreted with surface waters directed to the surface water drainage system. Therefore, there is no discharge to ground from these areas. There is potential for some discharge to ground with regards to the treated effluent that is sent to the lagoon. This has been assessed in the hydrogeological risk assessment that was provided with this application. We have reviewed this assessment and consider that the proposed discharge to the lagoon is not likely to increase the risk to ground or groundwater compared to the existing discharge consent. This permit supersedes the requirements of the discharge consent (PRENF/19402).

There are four Local Wildlife Sites (LWS) and three Ancient Woodlands (AW) within 2km of the installation. The emissions from the site have been assessed and there is no impact on any of these habitats sites. There are no European Sites or Sites of Special Scientific Interest (SSSI) within the relevant screening distances.

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/GP3005LK/A001	Duly made 30/03/2021	Application for Food and Drink Installation
Response to Schedule 5 Notice dated 16/05/2021	29/10/2021, 12/11/2021, 22/11/2021	Schedule 5 responses to questions 1-50 on: the H1 Assessment Tool, Foul and Surface Water Drainage, Hydrogeological Risk Assessment, Fuel Oil Combustion and Storage Arrangements, Scrubber Abatement Plant, Storage Arrangements for Raw materials Products and Wastes, Demonstration of BAT Compliance, Odour Management Plan and Noise Management Plan.
Permit determined EPR/GP3005LK (Billing ref. GP3005LK)	24/03/2022	Permit issued to Konings Juices & Drinks UK Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/GP3005LK

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

Konings Juices & Drinks UK Limited ("the operator"),

whose registered office is

Konings Juices & Drinks Uk Ltd
Stoke Road
Boxford
Sudbury
England
CO10 5AF

company registration number 10208734

to operate an installation at

Konings Juices and Drinks Suffolk
Stoke Road
Boxford
Sudbury
England
CO10 5AF

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

Name	Date
Rebecca Warren	**24/03/2022**

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

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

(b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

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

1.2 Energy efficiency

1.2.1 The operator shall:

(a) take appropriate measures to ensure that energy is used efficiently in the activities;

(b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and

(c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 The operator shall:

(a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;

(b) maintain records of raw materials and water used in the activities;

(c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and

(d) take any further appropriate measures identified by a review.

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

1.4.1 The operator shall take appropriate measures to ensure that:

(a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and

(b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and

(c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

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

1.5 Climate change

1.5.1 The operator shall review and if appropriate update, at least every 4 years, the climate change adaptation risk assessment submitted with the permit application, and shall update the written management system as appropriate.

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.

2.3.6 For the activity referenced in schedule 1, table S1.1 (AR3), the activity shall not operate for more than 500 hours per year on fuel oil per annum.

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.

2.5 Pre-operational conditions

2.5.1 The operations specified in schedule 1 table S1.4 shall not commence until the measures specified in that table have been completed.

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.

3.1.4 For the following activities referenced in schedule 1, table S1.1: AR3, the first monitoring measurements shall be carried out within four months of the issue date of the permit or of the date when the MCP is first put into operation, whichever is later.

3.2 Emissions of substances not controlled by emission limits

3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;

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

3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

3.4 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.

3.5 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 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 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

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

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

Where the operator is a registered company:

(a) any change in the operator's trading name, registered name or registered office address; and

(b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

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

(a) any change in the operator's name or address; and

(b) any steps taken with a view to the dissolution of the operator.

In any other case:

(a) the death of any of the named operators (where the operator consists of more than one named individual);

(b) any change in the operator's name(s) or address(es); and

(c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

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

(a) the Environment Agency shall be notified at least 14 days before making the change; and

(b) the notification shall contain a description of the proposed change in operation.

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

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

(a) a decision by the Secretary of State not to re-certify the agreement;

(b) a decision by either the operator or the Secretary of State to terminate the agreement; and

(c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

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

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

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity**
AR1	S6.8 A1 (d) (ii) – Treatment and processing of: only vegetable raw materials with a finished product production capacity greater than 300 tonnes per day.	Preparation and manufacture of fruit juice and drinks	From receipt of raw materials, processing, storage and despatch of finalised products and wastes.
AR2	Section 5.4 A(1) (a) (i) - Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment.	Operation of an effluent treatment plant utilising treatment via dissolved air floatation and aeration.	Receipt of effluent from the processing building, treatment and discharge to the River Box and/or a lagoon.
	Directly Associated Activity		
AR3	Operation of a boilers (Boiler A1 and Boiler A2) for the generation of steam	Combustion of natural gas or fuel oil in two steam raising boilers (A1 and A2). The aggregated thermal input of the two boilers is 9.28MWth.	From receipt of fuels to emission of combustion gases for the purposes of generating steam. Boilers A1 and A2 shall not be operated for more than 500 hours in total on fuel oil for maintenance, testing and emergency use per annum. As set out in condition 2.3.6.
AR4	Scrubber	Treatment of paracetic acid heavy vapours produced during the bottle washing process.	From receipt of pollutants from production process to emission of treated air.
AR5	Effluent storage	Discharge of treated effluent and surface water into a purpose built clay lined lagoon.	Discharge to the lagoon is in accordance with the requirements of table S3.2.
AR6	Lagoon Aeration Plant	Aeration of water held within the lagoon to prevent generations of odours.	Delivery of air into the water held within the lagoon.
AR7	Disposal of surface water	Discharge of uncontaminated surface water	From collection of surface water to discharge to the River Box.
AR8	Oil Interceptor	Treatment of surface water prior to discharge	From receipt of onsite surface waters to discharge into the pipework directing the treated water to discharge points W1 and W2.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	The responses to Parts B2 and B3 of the application and all submitted supporting information.	Duly Made 30/01/2020
Response to Schedule 5 Notice dated 16/05/2021	Schedule 5 responses to questions 1-50 on: the H1 Assessment Tool, Foul and Surface Water Drainage, Hydrogeological Risk Assessment, Fuel Oil Combustion and Storage Arrangements, Scrubber Abatement Plant, Storage Arrangements for Raw materials Products and Wastes, Demonstration of BAT Compliance, Odour Management Plan (*Konnings Juice and Drinks UK Ltd Odour Management Plan, submitted 29/10/2021*) and Noise Management Plan *Konnings Juice and Drinks UK Ltd Noise Management Plan, submitted 29/10/2021*).	29/10/2021, 12/11/2021, 22/11/2021

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1	The operator shall submit a written procedure to the Environment Agency for technical assessment and approval for the refilling of the fuel oil storage tank. The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the procedure. You must implement the procedure as approved, and from the date stipulated by the Environment Agency.	3 months from permit issue 24/06/2022
IC2	The operator shall submit a revised odour management plan to the Environment Agency for written agreement. The plan shall include full details of the contingency measures for all odour sources from the installation in the event that any of the odour control measures fail. The operator shall apply the appropriate measures for odour control specified in The Food and Drink BREF and BAT Conclusions document and the Environment Agency and H4 - Odour Management Guidance. Once the odour management plan has been agreed with the Environment Agency, the installation must be operated in accordance with this management plan.	3 months from permit issue 24/06/2022
IC3	The operator shall submit a written procedure to the Environment Agency for technical assessment and approval. The procedure shall outline the operational and maintenance actions that are taken with regards to the air scrubber that treats paracetic acid heavy vapours generated from the bottle sterilisation process. The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the procedure. You must implement the procedure as approved, and from the date stipulated by the Environment Agency.	3 months from permit issue 24/06/2022

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC4	The operator shall undertake monitoring of the emissions from the air scrubber in line with the requirements of the Environment Agency's Technical Guidance Notes M1 and M2. The operator shall submit the monitoring report detailing the methodology and results from the monitoring exercise. The monitoring report shall be reviewed and approved by the Environment Agency.	3 months from permit issue 24/06/2022
IC5	The operator shall submit a H1 assessment based on the results of the monitoring required by IC4 for approval by the Environment Agency.	6 months from permit issue 24/09/2022
IC6	The operator shall submit a written procedure to the Environment Agency for technical assessment and approval. The procedure shall set out what actions will be taken in the event of the total loss of containment of the fuel oil storage tank. The procedure shall explain how oil will be retained on the site to prevent it from entering the environment in the absence of bunding around the fuel oil storage tank. It shall outline how the site will be brought back under control following the incident. It shall also include the actions that operatives shall undertake in order to implement the procedure. The notification requirements of condition 2.4.2 will be deemed to have been complied on submission of the procedure. You must implement the procedure as approved, and from the date stipulated by the Environment Agency'	3 months from permit issue 24/06/2022
IC7	The operator shall submit a written procedure to the Environment Agency for technical assessment and approval. The procedure shall set out what actions will be taken in the event of the total loss of containment of each of the storage tanks/drums. that raw materials, chemicals, wastes and products are stored in. The procedure shall explain how material will be retained on the site and not enter the environment. It shall outline how the site will be brought back under control following the incident. It shall also include the actions that operatives shall undertake in order to implement the procedure. The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the plan. You must implement the procedure as approved, and from the date stipulated by the Environment Agency'	3 months from permit issue 24/06/2022
IC8	The operator shall submit an assessment of the discharge to the River Box to the Environment Agency following the Environment Agency guidance '*H1 Annex D2 – Assessment of sanitary and other pollutants within Surface Water Discharge'* for approval by the Environment Agency.	6 months from permit issue 24/09/2022
IC9	The operator shall submit a report with proposals to upgrade or replace the fuel tank. The report should demonstrate how the proposals will be fully compliant with the requirements of Ciria 736 and the Oil Storage Regulations (2001). The report should set out timescales for when the proposals will be implemented, which should be within the shortest time	4 months from permit issue 24/07/2022

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	possible. The report shall be submitted to the Environment Agency for Approval.	
IC10	<u>To comply with Food and Drink BREF and BAT Conclusions (December 2019)</u> The operator shall submit, for approval by the Environment Agency, a report setting out progress to achieving the Associated Environmental Performance Levels (AEPLs) for specific energy consumption (energy table 23 and wastewater discharge table 24 of Food and Drink BAT Conclusions), where the AEPLs are not currently achieved. The report shall include, but not be limited to, the following: 1) Methodology for achieving the AEPL in accordance with general techniques given in section 1.3 of the BAT conclusions. 2) Associated targets /timelines for reaching compliance. 3) Any alterations to the initial plan (in progress reports). The report shall address the BAT Conclusions for Food, Drink and Milk Industries with respect to section 1.3 and section 2.1 of the BAT conclusions. Refer to BAT Conclusions for a full description of the requirements.	12 months from permit issue 24/03/2023
IC11	<u>To comply with Food and Drink BREF and BAT Conclusions (December 2019)</u> The operator shall undertake a comprehensive sampling programme for the detection and quantification of residual pesticides in the effluent discharge. The programme shall include but not be limited to: <u>GCMS/LCMS scans</u> Representative samples of the effluent should be taken on 12 separate occasions, at suitable intervals at least 24 hours apart, for GCMS/LCMS scan analysis. Each sample should be analysed using GCMS/LCMS scans, ensuring that the laboratory can achieve a Limit of Qualification equivalent to or better than that achieved by the National Laboratory Service. <u>Fully quantitative analysis</u> Representative samples of the effluent should be taken on 12 separate occasions, at suitable intervals at least 24 hours apart, to allow fully quantitative analysis of the following substances, if there is any possibility that they may be present in the effluent: Abamectin, Beta-Cyfluthrin, Cinerin II, Cyfluthrin, Cypermethrin, Deltamethrin, Lambda-Cyhalothrin, Pyrethrin I, and Pyrethrin II. The sampling results shall be submitted to the Environment Agency for review prior to being used to complete the requirements of IC12, or else	12 months from permit issue 24/03/2023

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	provide a justification why fully quantitative analysis has not been carried out.	
IC12	<u>To comply with Food and Drink BREF and BAT Conclusions (December 2019)</u> The operator shall undertake a comprehensive assessment of the impact of residual pesticides in the effluent discharge on surface and ground water, using the information collected upon completion of IC11. The assessments shall be undertaken in accordance with our guidance "Surface water pollution risk assessment for your environmental permit" and "Groundwater risk assessment for your environmental permit" The assessments and their conclusions shall be submitted to the Environment Agency for review. Where the outcome of any assessment demonstrates an impact which is liable to cause pollution of surface or groundwater, contrary to the provisions of the Water Framework Directive and Groundwater Regulations, the operator shall provide details of an improvement program to further mitigate against the risks, with time scales for implementation, for approval in writing by the Environment Agency.	12 months from permit issue 24/03/2023
IC13	<u>To comply with Food and Drink BREF and BAT Conclusions (December 2019)</u> The operator shall submit a revised Environmental Management System so that is in accordance with the BAT requirements of the Food and Drink BAT conclusions (December 2019) to include: • A requirement for their suppliers to notify them immediately if a new pesticide or chemical has been used in the production of the raw materials they are processing, or there is a significant increase in use of a pesticide or chemical used in the production of the raw materials they are processing and; • A system in place to identify if any new pesticides or chemicals are applied or a significant increase in use of a pesticide or chemical and that a risk assessment of the new chemicals is undertaken to ensure there is no negative impact on the effluent discharge quality and receiving environment. • An updated Environmental Aspects Register, which includes a process flow diagram indicating the origin of emissions. (BAT2 point I) • Inclusion of drawings showing where water is used on the installation. (BAT 2 point II)	12 months from permit issue 24/03/2023
IC14	The operator shall then carry out a programme of monitoring in order to fully characterise the discharges from release point W1. The monitoring shall be undertaken at monthly intervals for a 12 month period. Testing shall include but is not limited to, the following determinands: • metals: zinc (total & dissolve), potassium (total), sodium (total), • total metals, • ammonia,	14 months from permit issue 24/05/2023

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	• BOD, • phosphate, • sulphate • chloride • conductivity • alkalinity • dissolved oxygen (field), • pH, and • total and dissolved zinc in the receiving watercourse, both upstream and downstream of the discharge point. Following completion of the monitoring programme, the operator shall undertake a H1 risk assessment and modelling as necessary in accordance with Environment Agency Guidance on the Gov.uk website. A written report detailing the results from the monitoring programme and findings from the H1 risk assessment (or modelling) shall be submitted to the Environment Agency. The report shall include proposals for any additional measures and improvements that are required in order to prevent, and where not practicable, minimise emissions, together with proposed timescales for their implementation. The Environment Agency may impose additional controls in relation to these discharges where it deems these are necessary.	
IC15	Prior to undertaking any monitoring outlined under IC14 the operator shall submit their monitoring proposals for approval. The minimum reporting value (MRV) should be taken at 10% of the Environmental Quality Standard (EQS), unless the applicant can provide suitable justification for an alternative. The Monitoring Proposals shall be submitted for consideration and approval by the Environment Agency	3 months from permit issue 24/06/2022

Table S1.4 Pre-operational measures for future development		
Reference	**Operation**	**Pre-operational measures**
1	Discharge from W1	Notification prior to approval by the Environment Agency before commencement of any discharge to the River Box of treated waste-water via discharge point W1.

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
Fuel Oil	Less than 0.1% w/w sulphur content

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Parameter**	**Source**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
A1 [Point A1 onsite plan in Schedule 7] (Note 1)	Oxides of Nitrogen (NO and NO2 expressed as NO2)	Natural Gas fired boiler plant	250 mg/Nm^3	Periodic	Every 3 years The initial one within 4 months of the issue date of the permit	MCERTS BS EN 14792
		Fuel Oil fired boiler plant	No limit set	Periodic	After 3 times the maximum average annual operating hours have elapsed And no less frequent than every 5 years	MCERTS BS EN 14792
	Carbon Monoxide	Natural Gas fired boiler plant	No limit set	Periodic	Every 3 years The initial one within 4 months of the issue date of the permit	MCERTS BS EN 15058
		Fuel Oil fired boiler plant	No limit set	Periodic	After 3 times the maximum average annual operating hours have elapsed And no less frequent than every 5 years	MCERTS BS EN 15058
A2 [Point A2 on site plan in Schedule 7] (Note 1)	Oxides of Nitrogen (NO and NO2 expressed as NO2)	Natural Gas fired boiler plant	250 mg/Nm^3	Periodic	Every 3 years The initial one within 4 months of the issue date of the permit	MCERTS BS EN 14792
		Fuel Oil fired boiler plant	No limit set	Periodic	After 3 times the maximum average annual operating hours have elapsed And no less frequent than every 5 years	MCERTS BS EN 14792

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Parameter**	**Source**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
	Carbon Monoxide	Natural Gas fired boiler plant	No limit set	Periodic	Every 3 years The initial one within 4 months of the issue date of the permit	MCERTS BS EN 15058
		Fuel Oil fired boiler plant	No limit set	Periodic	After 3 times the maximum average annual operating hours have elapsed And no less frequent than every 5 years	MCERTS BS EN 15058
A3 [Point A3 on site plan in Schedule 7]	Treated air from the bottling process	Scrubber	Note 2	-	-	-
Note 1: Monitoring requirements are defined at a temperature of 273.15 K, a pressure of 101.3 kPa and after correction for the water vapour content of the waste gases at a standardised O_2 content of 6% for solid fuels, 15% for engines and gas turbines and 3% all other MCPs Note 2: Following completion of IC4 and IC5 emission limit set as necessary.						

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 emission to River Box (discharge point Grid Reference TL 96120 38830)	Effluent treatment plant, surface water and a package treatment plant	Total daily volume of discharge	350 m^3/day	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme
		15-minute instantaneous or averaged flow	No limit set. Record as l/s.	15 minute	Continuous	MCERTS self-monitoring of effluent flow scheme
		ATU-BOD as O_2	10 mg/l	Instantaneous (spot sample)	Daily Sample	EN-1899-1
		Suspended solids (measured after drying at 105°C)	20 mg/l	Instantaneous (spot sample)	Daily Sample	BS EN 872
		Ammoniacal nitrogen	3 mg/l	Instantaneous (spot sample)	Daily Sample	BS EN ISO 11732

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**
		(expressed as N)				
		pH	5.5 to 9	Instantaneous (spot sample)	Daily Sample	BS ISO 10523
		Visible oil or grease	No significant trace present	Instantaneous (spot sample)	Daily Sample	No significant trace present
		Chemical Oxygen Demand	100 mg/l	Instantaneous (spot sample)	Daily Sample	BS6068-2.34 or BSISO 15705
		Total nitrogen	20 mg/l	Instantaneous (spot sample)	Daily Sample	EN 12260 or EN ISO 11905-1
		Total phosphorous	5 mg/l	Instantaneous (spot sample)	Daily Sample	EN ISO 6878, EN ISO 15681-1 and -2 or EN ISO 11885
W2 on site plan in schedule 7 emission to a Lagoon (discharge point Grid Reference TL 96180 38810)	Effluent treatment plant, surface water and a package treatment plant	Total daily volume of discharge	450 m^3/day	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme
		15-minute instantaneous or averaged flow	No limit set. Record as l/s.	15 minute	Continuous	MCERTS self-monitoring of effluent flow scheme
		ATU-BOD as O_2	15 mg/l	Instantaneous (spot sample)	Daily Sample	EN-1899-1
		Suspended solids (measured after drying at 105°C)	30 mg/l	Instantaneous (spot sample)	Daily Sample	BS EN 872
		Ammoniacal nitrogen (expressed as N)	5 mg/l	Instantaneous (spot sample)	Daily Sample	BS EN ISO 11732
		Visible oil or grease	No significant trace present	Instantaneous (spot sample)	Daily Sample	No significant trace present
		Chemical Oxygen Demand	100 mg/l	Instantaneous (spot sample)	Daily Sample	BS6068-2.34 or BSISO 15705

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**
		Total nitrogen	20 mg/l	Instantaneous (spot sample)	Daily Sample	EN 12260 or EN ISO 11905-1
		Total phosphorous	5 mg/l	Instantaneous (spot sample)	Daily Sample	EN ISO 6878, EN ISO 15681-1 and -2 or EN ISO 11885

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**
Point source emissions to air Parameters as required by condition 3.5.1	A1, A2	Every 3 years (Natural Gas)	1 January
	A1, A2	After 3 times the maximum average annual operating hours have elapsed And no less frequent than every 5 years (Fuel Oil – combined total for A1 and A2)	1 January
Point source emissions to water (other than sewer) Parameters as required by condition 3.5.1	W1, W2	Every 3 months	1 January, 1 April, 1 July, 1 October

Table S4.2: Annual production/treatment	
Parameter	**Units**
Beverage Production	m^3

Table S4.3 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Water usage	Annually	m^3
Energy usage	Annually	MWh
Waste disposal	Annually	tonnes
Total raw material used	Annually	tonnes

Table S4.4 Reporting forms		
Parameter	**Reporting form**	**Form version number and date**
Point source emissions to air	Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency	24/03/2022
Point source emissions to water (other than sewer)	Emissions to Water Reporting Form, or other form as agreed in writing by the Environment Agency	24/03/2022
Water usage	Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency	24/03/2022
Energy usage	Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency	24/03/2022

Table S4.4 Reporting forms		
Parameter	**Reporting form**	**Form version number and date**
Waste disposal	Waste Disposal Reporting Form, or other form as agreed in writing by the Environment Agency	24/03/2022
Other performance parameters	Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency	24/03/2022

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 breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

(d) 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.

“disposal” means any of the operations provided for in Annex I to the Waste Framework Directive.

“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, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“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.

“Medium Combustion Plant Directive” or “MCPD” means Directive 2015/2193/EU of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion plants, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“Pests” means Birds, Vermin and Insects.

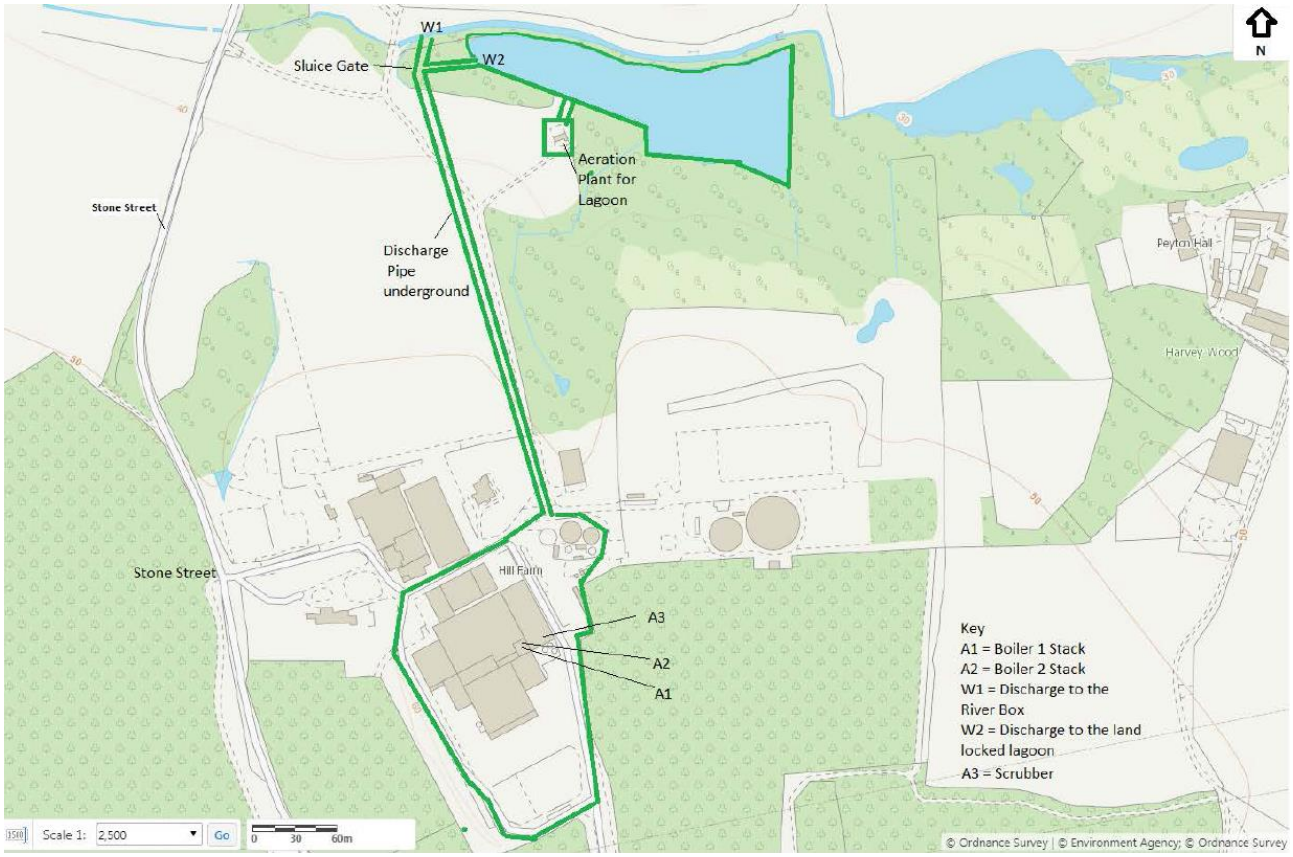
“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

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



END OF PERMIT

Emissions to Air Reporting Form

Permit number: EPR/GP3005LK **Operator:** Konings Juices and Drinks UK Ltd

Facility name: Konings Juices and Drinks Suffolk **Emissions to Air Reporting Form:** 24/03/2022

Reporting of emissions to air for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Emission point	Substance / parameter	Emission Limit Value	Reference period	Test method [1]	Result [2]	Sample dates and times [3]	Uncertainty [4]
A1	Oxides of Nitrogen (NO and NO2 expressed as NO2)	250 mg/Nm3	Periodic	MCERTS BS EN 14792	*[State result]*	*[State relevant dates and time periods]*	*[State uncertainty if not 95% confidence interval]*
	Carbon Monoxide	-	Periodic	MCERTS BS EN 14792			
A2	Oxides of Nitrogen (NO and NO2 expressed as NO2)	250 mg/Nm^3	Periodic	MCERTS BS EN 14792			
	Carbon Monoxide	-	Periodic	MCERTS BS EN 14792			

Signed: **Date:**

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your monitoring results.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

[1] Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
[2] Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
[3] For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
[4] Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

Emissions to Water Reporting Form

Permit number: EPR/GP3005LK **Operator:** Konings Juices and Drinks UK Ltd

Facility name: Konings Juices and Drinks Suffolk **Emissions to Water Reporting Form:** 24/03/2022

Reporting of emissions to water (other than to sewer) for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Emission point	Substance / parameter	Emission Limit Value	Reference period	Test method [1]	Result [2]	Sample dates and times [3]	Uncertainty [4]
W1	Total daily volume of discharge	350 m^3/day	24-hour total	MCERTS self-monitoring of effluent flow scheme			
	15-minute instantaneous or averaged flow	No limit set. Record as l/s	15 minute	MCERTS self-monitoring of effluent flow scheme			
	ATU-BOD as O_2	10 mg/l	Instantaneous (spot sample)	EN-1899-1			
	Suspended solids (measured after drying at 105°C)	20 mg/l	Instantaneous (spot sample)	BS EN 872			
	Ammoniacal nitrogen (expressed as N)	3 mg/l	Instantaneous (spot sample)	BS EN ISO 11732			
	pH	5.5 to 9	Instantaneous (spot sample)	BS ISO 10523			
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	No significant trace present			
	Chemical Oxygen Demand	100 mg/l	Instantaneous (spot sample)	BS6068-2.34 or BSISO 15705			

Emission point	Substance / parameter	Emission Limit Value	Reference period	Test method [1]	Result [2]	Sample dates and times [3]	Uncertainty [4]
	Total nitrogen	20 mg/l	Instantaneous (spot sample)	EN 12260 or EN ISO 11905-1			
	Total phosphorous	5 mg/l	Instantaneous (spot sample)	EN ISO 6878, EN ISO 15681-1 and -2 or EN ISO 11885			
W2	Total daily volume of discharge	450 m3/day	24-hour total	MCERTS self-monitoring of effluent flow scheme			
	15-minute instantaneous or averaged flow	No limit set. Record as l/s.	15 minute	MCERTS self-monitoring of effluent flow scheme			
	ATU-BOD as O_2	15 mg/l	Instantaneous (spot sample)	EN-1899-1			
	Suspended solids (measured after drying at 105°C)	30 mg/l	Instantaneous (spot sample)	BS EN 872			
	Ammoniacal nitrogen (expressed as N)	5 mg/l	Instantaneous (spot sample)	BS EN ISO 11732			
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	No significant trace present			
	Chemical Oxygen Demand	100 mg/l	Instantaneous (spot sample)	BS6068-2.34 or BSISO 15705			
	Total nitrogen	20 mg/l	Instantaneous (spot sample)	EN 12260 or			

Emission point	Substance / parameter	Emission Limit Value	Reference period	Test method [1]	Result [2]	Sample dates and times [3]	Uncertainty [4]
				EN ISO 11905-1			
	Total phosphorous	5 mg/l	Instantaneous (spot sample)	EN ISO 6878, EN ISO 15681-1 and -2 or EN ISO 11885			

Signed: **Date:**

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your monitoring results.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

[1] Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
[2] Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
[3] For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
[4] Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

Water Usage Reporting Form

Permit number: EPR/GP3005LK **Operator:** Konings Juices and Drinks UK Ltd

Facility name: Konings Juices and Drinks Suffolk **Water Usage Reporting Form:** 24/03/2022

Reporting of water usage for the year *[YYYY]*

Water source	Water usage (m^3/year)	Specific water usage (m^3/unit) [2]
Mains water		
Site borehole		
River abstraction		
Total water usage		

Operator's comments

Signed: **Date:**

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your annual water usage.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

Energy Usage Reporting Form

Permit number: EPR/GP3005LK **Operator:** Konings Juices and Drinks UK Ltd

Facility name: Konings Juices and Drinks Suffolk **Energy Usage Reporting Form:** 24/03/2022

Reporting of energy usage for the year *[YYYY]*

Energy Source	**Energy Usage**		**Specific Usage (MWh/unit output)**
	Quantity	**Primary Energy (MWh)**	
Electricity * (MWh)			
Natural Gas (MWh)			
Gas Oil (tonnes)			
TOTAL	**-**		

*Conservation factor for delivered electricity to primary energy = 2.4

Operator's comments

Signed: **Date:**

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your annual energy usage.

Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

[1] Multiply delivered electricity by 2.4 to convert to primary energy where the electricity is supplied from the national grid. If the electricity is supplied from another source, specify the conversion factor used. Add additional rows as needed if electricity is imported from multiple sources.

[2] Divide energy consumption by an appropriate unit of raw material processed or product output.

Waste Reporting Form

Permit number: EPR/GP3005LK **Operator:** Konings Juices and Drinks UK Ltd

Facility name: Konings Juices and Drinks Suffolk **Water Usage Reporting Form:** 24/03/2022

Reporting of water usage for the year *[YYYY]*

Waste Source	Quantity of Waste (tonnes)	Quantity of Waste /unit of product (tonnes/unit)
Waste disposal		
Waste recycling		

Operator's comments

Signed: **Date:**

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your annual water usage.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

Other Performance Parameters Reporting Form

Permit number: EPR/GP3005LK **Operator:** Konings Juices and Drinks UK Ltd

Facility name: Konings Juices and Drinks Suffolk **Other Performance Parameters Reporting Form:** 24/03/2022

Reporting of other performance parameters for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Parameter	Units
Total raw material usage	tonnes
Beverage Production	M^3

Operator's comments

Signed: **Date:**

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report the performance parameters (other than water and energy) required by your permit.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. The parameters to report and units to be used can be found in the 'Performance parameters' table in schedule 4 of your permit. Add additional rows as necessary.