



Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Frank Roberts & Sons Limited

The Rudheath Bakery Site

Rudheath

Northwich

Cheshire

CW9 7RQ

Permit number

EPR/WP3503LX

The Rudheath Bakery Site

Permit number EPR/WP3503LX

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Frank Roberts site is an existing bakery which produces traditional bread products alongside sweet biscuits and treats and has operated on this site since 1952. The site is located in Rudheath, within the town of Northwich, in Cheshire, 16km southeast of Warrington and 30km southwest of Manchester (centred on NGR SJ 67979 72613).

The factory consists of five oven plants housed in three buildings, processing vegetable and animal raw materials into baked food products. Following the building of Bread Plant 3, containing the fifth oven, the physical capacity of the plant has exceeded the 300 tonnes per day production capacity, which requires the business to have a bespoke Environmental Permit to operate. The new bread plant came in to full production in July 2018. The maximum daily theoretical production capacity for the site is now 422 tonnes per day.

The site operates under scheduled activity Section 6.8 Part A(1)(d)(iii)(bb). *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.*

There are four main plants with a total of 59 point sources (stacks), which release emissions to air generated from the baking processes, (ovens, extractors and boilers). Detailed dispersion modelling has been undertaken to assess the pollutant emissions to air. The assessment has considered impacts from emissions of Particulate Matter (PM₁₀ and PM_{2.5}), Carbon Monoxide (CO), Oxides of Nitrogen (NO_x as NO₂), and Sulphur Dioxide (SO₂). The assessment of emissions to air concluded no significant impact on human or ecological sensitive receptors.

The site covers an area of approximately 10 hectares and is split into two areas the northern and southern areas. The northern most area of the site predominantly consist of the bakery buildings, warehouses and distribution facilities along with raw materials storage associate with the bakery. The site also contains a vehicle repair facility and an above ground double bunded fuel storage tank. The majority of the northern section of the site is covered in hardstanding with some soft landscape areas. The southern area of the site is currently undeveloped. The site has three discharge consents from United Utilities plc, for disposal to foul sewer of the trade effluent produced by the processes.

The site is within the 10km screening distance of the following European habitats; West Midlands Mosses SAC; Midland Meres and Mosses Phase 2 Ramsar and Midland Meres and Mosses Phase 1 Ramsar. There are no Sites of Special Scientific Interest (SSSI) within 2km of the site.

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 EA/EPR/WP3503LX/A001	Duly made 28/08/2020	Application for a bespoke permit
Additional information received in response to Schedule 5 Notice dated 12/01/2021	12/02/2021	Schedule 5 response including <ul style="list-style-type: none"> • Technical details for onsite boilers, provers and ovens • Revised air dispersion modelling report • Stack parameters • H1 assessment – discharges to water • Revised Site condition report
Additional information received in response to Schedule 5 Notice dated 25/02/2021	10/03/2021	Schedule 5 response including <ul style="list-style-type: none"> • Revised BAT assessment
Additional information received in response to Schedule 5 Notice dated 23/03/2021	23/04/2021	Schedule 5 response including <ul style="list-style-type: none"> • Revised site condition report <ul style="list-style-type: none"> ○ Details of unnamed watercourse ○ Assessment of existing infrastructure, inspection and maintenance procedures ○ Repair of damage surfaces ○ Stage 1-3 assessment of hazardous substances • Revised environmental risk assessment • Site drainage plan • Revised site surfacing plan
Additional information received	08/07/2021	Odour baseline assessment
Additional information received	04/08/2021	Revised Odour Management Plan received.
Additional information received	17/08/2021	Additional BAT information (BATc 3, 6, 9 & 11)
Permit determined EPR/WP3503LX (PAS Billing ref: WP3503LX).	20/10/2021	Permit issued to Frank Roberts & Sons Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/WP3503LX

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

Frank Roberts & Sons Limited ("the operator"),

whose registered office is

Rudheath

Northwich

Cheshire

CW9 7RQ

company registration number 00170133

to operate an installation at

The Rudheath Bakery Site

Rudheath

Northwich

Cheshire

CW9 7RQ

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

Name	Date
Samantha Haddock	20/10/2021

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;
- (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

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 red on the site plan at schedule 7 to this permit.

2.3 Operating techniques

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

- (a) the nature of the process producing the waste;
- (b) the composition of the waste;
- (c) the handling requirements of the waste;
- (d) the hazardous property associated with the waste, if applicable; and
- (e) the waste code of the waste.

2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

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

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
 - (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits; and
 - (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, S3.2 and S3.3.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

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

4 Information

4.1 Records

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

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;

- (b) the annual production /treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

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

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

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

4.3 Notifications

4.3.1 In the event:

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

4.3.2 Any information provided under condition 4.3.1 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 listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
S6.8 Part A(1) (d)(iii)(bb) 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— 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.	Production of baked products including mixing, forming, proving, baking, slicing, and packing	From receipt and storage of raw materials to storage and dispatch of finished products. Production capacity up to 422 tonnes of baked goods per day
Directly Associated Activity		
Steam and hot water supply	Medium Combustion Plants: Operation of existing combustion plant to generate steam and hot water. 3 x boilers each with a thermal input of 0.6 MWth. (Combined thermal input 1.8 MWth).	Includes gas receipt and usage to emission of combustion gases.
Raw material storage and handling	Storage of raw materials for production of baked goods, cleaning and effluent treatment	From receipt of raw materials to use in plant.
Ovens	Operation of bread ovens and provers for production of baked goods. 31 ovens and 3 provers with a combined thermal input of 9.945 MWth. Fired on natural gas	From receipt of fuel to emission of combustion gases.
Basket / tub wash	Operation of automated basket wash process. Combustion of natural gas in the 4 basket wash burners with a combined thermal input of 1.39 MWth.	From receipt of baskets for washing to despatch for re-use.
Chiller and freezer units	Operation of glycol fed cooling and chiller units for the storage of raw materials and cooling of product.	From receipt of raw materials to finished goods.
Chemical storage and use	Storage and use of cleaning chemicals	From receipt of cleaning chemicals to despatch for treatment of effluent.
Waste storage and handling	Storage and handling of waste materials and by-products from the production of finished goods.	From generation of waste and by-products pending collection for disposal or recovery.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	Application forms Part B2 and B3 and supporting documents including; <ul style="list-style-type: none"> • Non-technical Summary • Noise impact assessment report • Noise management plan • Odour technical response • Environmental risk assessment • Associated process flow diagrams 	Duly Made 28/08/2020
Response to Schedule 5 Notice dated 12/01/2021	Response to questions 1 to 4 detailing Air Dispersion Model, question 5 detailing H1 Water Discharge Assessment and question 6 detailing Site Condition Report and includes the following documents; <ul style="list-style-type: none"> • Schedule 5 response date 11/02/2021 • Revised site boundary plan B2-002a v2 • Revised site drainage plan B2-002c v2 • Revised site surfacing activity layout B2-002d v2 • Revised H1 assessment (discharges to air and water) including modelling files • Revised air modelling assessment AIR7446454 v2 • Environmental report - addendum to site conditioning plan • Confirmation of thermal inputs and stack parameters 	12/02/2021
Response to Schedule 5 Notice dated 25/02/2021	Response to question 1 - best available techniques gap analysis. Response to question 2 – Maximum daily production capacity.	10/03/2021
Response to Schedule 5 Notice dated 23/03/2021	Response to question 1 to 6 Site condition report Response to question 7 – Site boundary	23/04/2021
Additional information received	Odour baseline assessment dated May 2021	08/07/2021
Additional information received	Odour management plan	04/08/2021
Additional information received	Additional BAT information (BATc 3, 6, 9 & 11)	17/08/2021

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
Containment and drainage		
IC1	<p>The Operator shall submit a written plan to the Environment Agency for technical assessment and approval detailing the results of a survey of all primary, secondary and tertiary containment on site with reference to CIRIA Containment systems for the prevention of pollution (C736) – Secondary, tertiary and other measures for industrial and commercial premises. The survey shall include but not be limited to the following:</p> <ul style="list-style-type: none"> • Process / storage tanks. • Impermeable surfacing. • Bunds. <p>Where appropriate the plan shall contain dates for the implementation of any remedial measures required.</p> <p>The plan shall be implemented by the operator from the date of approval by the Environment Agency.</p>	20/04/2022
IC2	<p>The Operator shall submit a written plan to the Environment Agency for technical assessment and approval, detailing measures to be taken to ensure pollution prevention measures are adequately inspected and maintained during the life of the permit. This should include but not be limited to the following:</p> <ul style="list-style-type: none"> • All process / storage tanks. • Site impermeable surfacing. • All bunds located within the installation boundary • All on site drainage systems, sumps and interceptors. <p>Where the requirement for improvements is identified, the report shall include a schedule of works for the proposed improvements with timescales for completion.</p> <p>The Operator shall supply the Environment Agency with a written copy of the report and shall implement any improvements to a timetable agreed in writing with the Environment Agency.</p>	20/04/2022
IC3	<p>The operator shall undertake a CCTV survey of the sub-surface drainage systems (including the onsite sumps and interceptors) within the installation boundary and provide a structural report to establish the integrity of the systems and demonstrate that the risk of fugitive emissions from the installation are minimised.</p> <p>Where the requirement for improvements is identified, the report shall include a schedule of works for the proposed improvements with timescales for completion.</p> <p>The Operator shall supply the Environment Agency with a written copy of the report and shall implement any improvements to a timetable agreed in writing with the Environment Agency.</p>	20/04/2022
IC4	<p>The Operator shall submit a fire water management plan for technical assessment and approval. The plan must contain an assessment of the measures that are in place to reduce the risk of a pollution incident caused by firewater. The review shall include:</p> <ul style="list-style-type: none"> • consideration of the principals set out in PPG 18 – Managing Fire-water and major spillages. • Identification of any improvements necessary in order to minimise the risk of a pollution incident caused by firewater 	20/04/2022

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	Where the requirement for improvements is identified, the report shall include a schedule of works for the proposed improvements with timescales for completion. The Operator shall supply the Environment Agency with a written copy of the report and shall implement any improvements to a timetable agreed in writing with the Environment Agency.	
IC5	The Operator shall install closure valves or similar on the interceptors to prevent pollution to Gad Brook if other alternative options in the 'Firewater Management Plan' (as per IC4) are not satisfactory to prevent pollution of Gad Brook.	20/04/2022
BAT Improvement Conditions		
IC6	The Operator shall submit a written report to the Environment Agency for technical assessment and approval on the feasibility of installing primary effluent treatment and include a review of treatment options available along with their associated benefits. Justification is required where no on-site treatment is provided, taking into account the nature of the wastewater and any subsequent off-site treatment. In addition the report needs to consider the appropriate on-site monitoring of the effluent stream prior to disposal. (BAT 3, 4 and 12 Best Available Techniques Reference Document and BAT Conclusions document for the food, drink and milk industry dated December 2019).	20/10/2022
Site Activity Plan		
IC7	The Operator shall provide an updated 'Site Activity Plan' detailing the storage locations of all the substances referred to within Table 1: Schedule of Hazardous Materials Stored and Used at the Site' within the 'Technical Addendum to the SCR'.	20/01/2022

Schedule 2 – Waste types, raw materials and fuels

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

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location ¹	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1	Fulton 60J Boiler No. 1 (B8393) 0.6MWth Main Bakery	No parameters set	No limit set	-	-	-
A2	Fulton 60J Boiler No. 2 (B8675) 0.6MWth Main Bakery	No parameters set	No limit set	-	-	-
A3	Fulton 60J Boiler No. 3 (B9737) 0.6MWth Main Bakery	No parameters set	No limit set	-	-	-
A4	Prover No. 1 (CE1016) BP1	No parameters set	No limit set	-	-	-
A5	Prover No. 2 (CE1926) BP2	No parameters set	No limit set	-	-	-
A6	Oven Infeed Hood BP1	No parameters set	No limit set	-	-	-
A7	Oven Burner 1 BP1	No parameters set	No limit set	-	-	-
A8	Oven Burner 2 BP1	No parameters set	No limit set	-	-	-
A9	Oven Burner 3 BP1	No parameters set	No limit set	-	-	-
A10	Oven Burner 4 BP1	No parameters set	No limit set	-	-	-
A11	Oven Burner 5 BP1	No parameters set	No limit set	-	-	-
A12	Oven Burner 6 BP1	No parameters set	No limit set	-	-	-
A13	Oven Burner 7 BP1	No parameters set	No limit set	-	-	-
A14	Oven Burner 8 BP1	No parameters set	No limit set	-	-	-

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location¹	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A15	Oven Outfeed BP1	No parameters set	No limit set	-	-	-
A16	Dough Prover BP2	No parameters set	No limit set	-	-	-
A17	Bread Oven Infeed hood BP2	No parameters set	No limit set	-	-	-
A18	Oven Burner 1 BP2	No parameters set	No limit set	-	-	-
A19	Oven Burner 2 BP2	No parameters set	No limit set	-	-	-
A20	Oven Burner 3 BP2	No parameters set	No limit set	-	-	-
A21	Oven Burner 4 BP2	No parameters set	No limit set	-	-	-
A22	Oven Burner 5 BP2	No parameters set	No limit set	-	-	-
A23	Oven Burner 6 BP2	No parameters set	No limit set	-	-	-
A24	Bread Oven Outfeed hood BP2	No parameters set	No limit set	-	-	-
A25	De Neu Depanner	No parameters set	No limit set	-	-	-
A26	Oven Burner 1 (C7384-1) Morning Goods	No parameters set	No limit set	-	-	-
A27	Oven Burner 2 (C7384-2) Morning Goods	No parameters set	No limit set	-	-	-
A28	Tub Wash burner. Despatch External - Heat water to wash baskets	No parameters set	No limit set	-	-	-
A29	Basket Wash pre wash burner. Despatch External - Heat	No parameters set	No limit set	-	-	-

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location¹	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
	water to wash baskets					
A30	Basket Wash main wash burner 1. Despatch External - Heat water to wash baskets	No parameters set	No limit set	-	-	-
A31	Silo 10 BP 1/2	No parameters set	No limit set	-	-	-
A32	Silo 11 BP 1/3	No parameters set	No limit set	-	-	-
A33	Silo 12 BP 1/4	No parameters set	No limit set	-	-	-
A34	Prover Boiler 1 0.76MWth BP3	No parameters set	No limit set	-	-	-
A35	Oven Infeed Hood BP3	No parameters set	No limit set	-	-	-
A36	Oven Burner 1 BP3	No parameters set	No limit set	-	-	-
A37	Oven Burner 2 BP3	No parameters set	No limit set	-	-	-
A38	Oven Burner 3 BP3	No parameters set	No limit set	-	-	-
A39	Oven Burner 4 BP3	No parameters set	No limit set	-	-	-
A40	Oven Burner 5 BP3	No parameters set	No limit set	-	-	-
A41	Oven Burner 6 BP3	No parameters set	No limit set	-	-	-
A42	Oven Burner 7 BP3	No parameters set	No limit set	-	-	-
A43	Oven Burner 8 BP3	No parameters set	No limit set	-	-	-

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location¹	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A44	Oven Outfeed Hood BP3	No parameters set	No limit set	-	-	-
A45	Basket Wash burner (to heat water to wash baskets) BP3	No parameters set	No limit set	-	-	-
A46	Boiler 1 LT	No parameters set	No limit set	-	-	-
A47	Boiler 2 LT	No parameters set	No limit set	-	-	-
A48	Oven Infeed hood LT	No parameters set	No limit set	-	-	-
A49	Oven Burner 1 LT	No parameters set	No limit set	-	-	-
A50	Oven Burner 2 LT	No parameters set	No limit set	-	-	-
A51	Oven Burner 3 LT	No parameters set	No limit set	-	-	-
A52	Oven Burner 4 LT	No parameters set	No limit set	-	-	-
A53	Oven Burner 5 LT	No parameters set	No limit set	-	-	-
A54	Oven Burner 6 LT	No parameters set	No limit set	-	-	-
A55	Oven Burner 7 LT	No parameters set	No limit set	-	-	-
A56	Oven Burner 8 LT	No parameters set	No limit set	-	-	-
A57	Oven Burner 9 LT	No parameters set	No limit set	-	-	-
A58	Oven Burner 10 LT	No parameters set	No limit set	-	-	-
A59	Oven Outfeed LT	No parameters set	No limit set	-	-	-

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location¹	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
¹ Point source emissions to air are shown on drawing SSL:2667L2, dated August 2020.						

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
W4 & W5 [Points W4 & W5 on site plan in schedule 7 emission to Gad Brook]	Uncontaminated surface water run-off from non-operational areas via interceptor	Visible oils, fats and grease	Non Visible	--	Monthly	Visual inspection

Table S3.3 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
S1, S2 & S3 [Points S1, S2 & S3 on site plan in schedule 7 emission to Gad brook Road Foul Sewer to Northwich Wastewater Treatment Works discharge to River Weaver]	Process effluent	No parameters set	No limit set	-	-	-

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
-	-	-	-

Table S4.2: Annual production/treatment	
Parameter	Units
Baked goods produced (finished products)	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Energy usage	Annually	MWh
Specific energy consumption (yearly average)	Annually	MWh/ tonne of products
Waste disposed	Annually	tonnes
Specific Water usage	Annually	m ³ /tonnes of product

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	20/10/2021
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	20/10/2021
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	20/10/2021

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.

“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.

Pests” means Birds, Vermin and Insects.

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

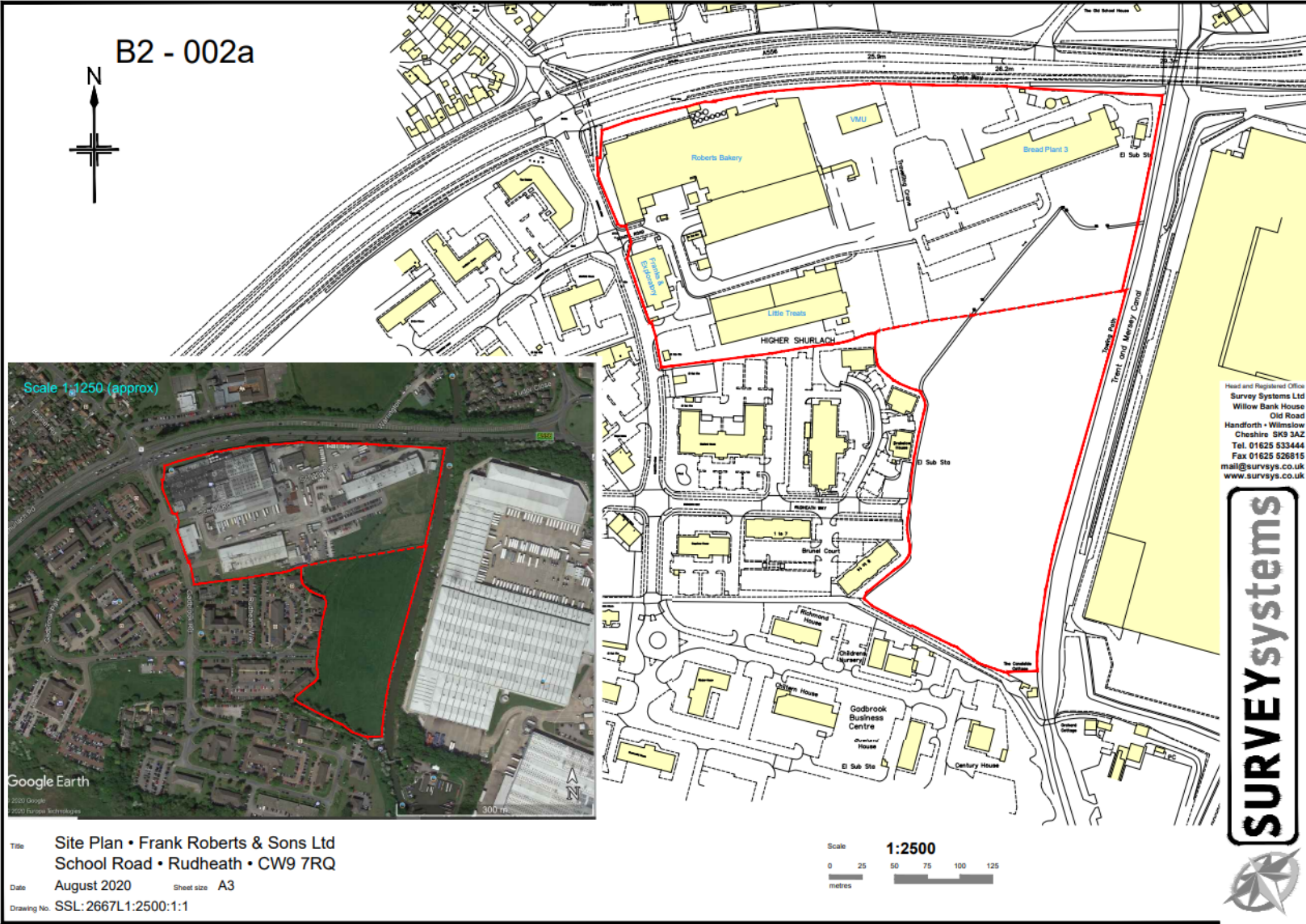
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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.

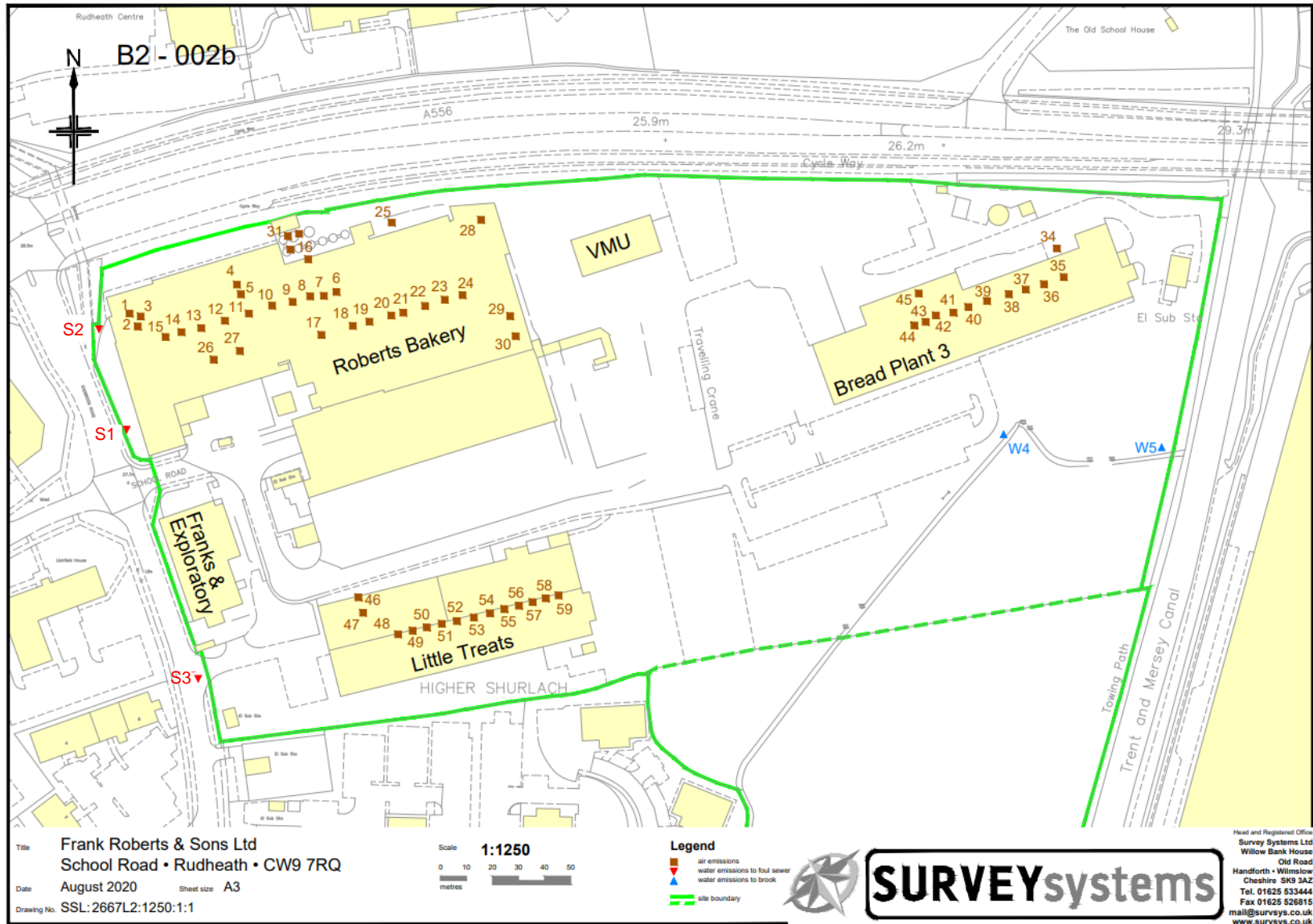
“year” means calendar year ending 31 December.

Schedule 7 – Site plan



Title Site Plan • Frank Roberts & Sons Ltd
 School Road • Rudheath • CW9 7RQ
 Date August 2020 Sheet size A3
 Drawing No. SSL: 2667L1:2500:1:1

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END OF PERMIT

Permit number
EPR/WP3503LX