



# Non-technical Summary

Melton Foods

FOR: SAMWORTH BROTHERS LTD

PROJECT NUMBER: ECCS 144 001

PREPARED BY: EC CONSULTANCY SERVICES LTD

## Non-technical Summary

### Contact Details:

EC Consultancy Services Ltd

6 Nevil Road

Bishopston

Bristol

BS7 9EQ

Email: [Lucinda.hall@ecconsult.co.uk](mailto:Lucinda.hall@ecconsult.co.uk)

Tel: +44 (0) 7990 803476

### Non-technical Summary – ECCS 144 001 R 001 A

<b>Project:</b>	EPR/GP3548QT – Melton Foods
<b>For:</b>	Samworth Brothers Ltd
<b>Status:</b>	<b>Final</b>
<b>Date:</b>	December 2024
<b>Author:</b>	Lucinda Hall, Director

#### Disclaimer:

This report has been produced by EC Consultancy Services Limited within the terms of the contract with the client and taking account of the resources devoted to it by agreement with the client. The report has been produced from information provided by the client for the purpose of the report. We disclaim any responsibility as to the accuracy and correctness of the information contained within it, and any responsibility to the client and others in respect of any matters outside the scope of the above.

This report is confidential to the client. EC Consultancy Services Ltd accepts no responsibility whatsoever for any third party to whom this report or any part thereof is made known, for any loss or damage arising from any interpretation or use of the information contained in this report, or reliance on any views expressed therein nature to third parties. Any such party relies on the report at their own risk.

EC Consultancy Services Limited Registered in England No. 10161697.  
Registered Office 6 Nevil Road Bishopston Bristol BS7 9EQ

## CONTENTS

---

1	Non-Technical Summary .....	1
1.1	Introduction .....	1
1.2	Site Operator .....	1
1.3	Site Location and Environmental Setting .....	1
1.4	Sensitive Receptors .....	3
1.5	Existing Permitted Activities .....	4
1.6	Changes Proposed to Existing Permit .....	5
1.7	Existing Environmental Management System .....	6
1.8	New Point Source Emissions .....	6
1.9	Environmental Risk Assessments .....	7
1.10	Operating Techniques, BAT Assessment and Monitoring Plan .....	7
1.11	Site Layout Plans .....	8

## Tables & Figures

<b>Figure 1.3.1 Site Location .....</b>	<b>2</b>
<b>Figure 1.4.1a Location of Ecological Sensitive Receptors .....</b>	<b>3</b>
<b>Table 1.4.1b Sensitive Receptors .....</b>	<b>4</b>
<b>Figure 1.5.1 Existing Permit Site Boundary .....</b>	<b>5</b>
<b>Table 1.8.1a New Point Source Emissions to Atmosphere .....</b>	<b>6</b>
<b>Table 1.8.1b New Point Source Emissions to Sewer .....</b>	<b>7</b>

# 1 NON-TECHNICAL SUMMARY

---

## 1.1 INTRODUCTION

This non-technical summary has been prepared in support of an application submitted to the Environment Agency (EA) for a substantial variation application to the existing Installation Permit (EPR/GP3548QT) located off Samworth Way near Melton Mowbray in Leicestershire. The permit (commonly referred to as Melton Foods) is operated by Samworth Brothers Ltd.

The production facility is a long-established business and employer in the local which undertakes salad preparation, sanitization of ingredients, toasting, as well as cooking some ingredients in ovens to produce sandwiches and other bread-based products for human consumption. The production facility operates 24 hours per day, 7 days per week, operating over various shift patterns, 364 days of the year. The production facility is currently permitted to produce up to 97.6 tonnes of cold food products per day (with 26.3 tonnes consisting of animal products).

## 1.2 SITE OPERATOR

Samworth Brothers Ltd (Company No. 03116767) was incorporated on 20 October 1995. The company's registered office address is: Chetwode House, 1 Samworth Way, Melton Mowbray, Leicestershire, LE13 1GA. The Company was originally founded in 1896 as a family business, with the Samworth group now employing over 9,500 people across the business Group.

Part A of the Environment Agency's application forms requires applicants to detail all directors as listed on company's house. Details of the currently 9 officers registered as active for Samworth Brothers Ltd is provided below for completeness. They are as follows:

- Sunita Kaushal (DOB [REDACTED]) – appointed 2 January 2024 (Company Secretary & Director);
- Paul John Davey (DOB [REDACTED]) – appointed 1 January 2015 (Director);
- Darren Haynes (DOB [REDACTED]) – appointed 1 June 2023 (Director);
- Samuel James Mitchell (DOB [REDACTED]) – appointed 1 September 2024 (Director);
- Charles Noble (DOB [REDACTED]) – appointed 1 January 2024 (Director);
- Joanne Mary Werth (DOB [REDACTED]) – appointed 1 June 2023 (Director);
- Simon James Penny Wookey (DOB [REDACTED]) – appointed 7 January 2019 (Director); and
- Mark Charles Chetwode Samworth (DOB [REDACTED]) – appointed 12 February 1996 (Director).

<https://find-and-update.company-information.service.gov.uk/company/03116767>

## 1.3 SITE LOCATION AND ENVIRONMENTAL SETTING

The Melton Foods manufacturing site is located approximately 2.5km west of the centre of Melton Mowbray, in Leicestershire. The site falls within the jurisdiction of Melton Borough Council. The permitted

site is in a rural setting. The Melton Foods production facility sits to the east of the Kettleby Foods Site and Chetwode House (the main headquarters of the Samworth Brothers Ltd Group).

Immediately to the north of the site is the main railway line which runs between Melton Mowbray and Leicester. The River Wreake is also just beyond the railway line to the north. Leicester Road is situated to the south of the site, with open fields to the west and the village of Kirby Bellars.

The full site address is:

Melton Foods  
Samworth Brothers Ltd  
3 Samworth Way  
Leicester  
Melton Mowbray  
LE13 1GA  
Site Grid Reference: SK 73222 18048

**Figure 1.3.1 Site Location**

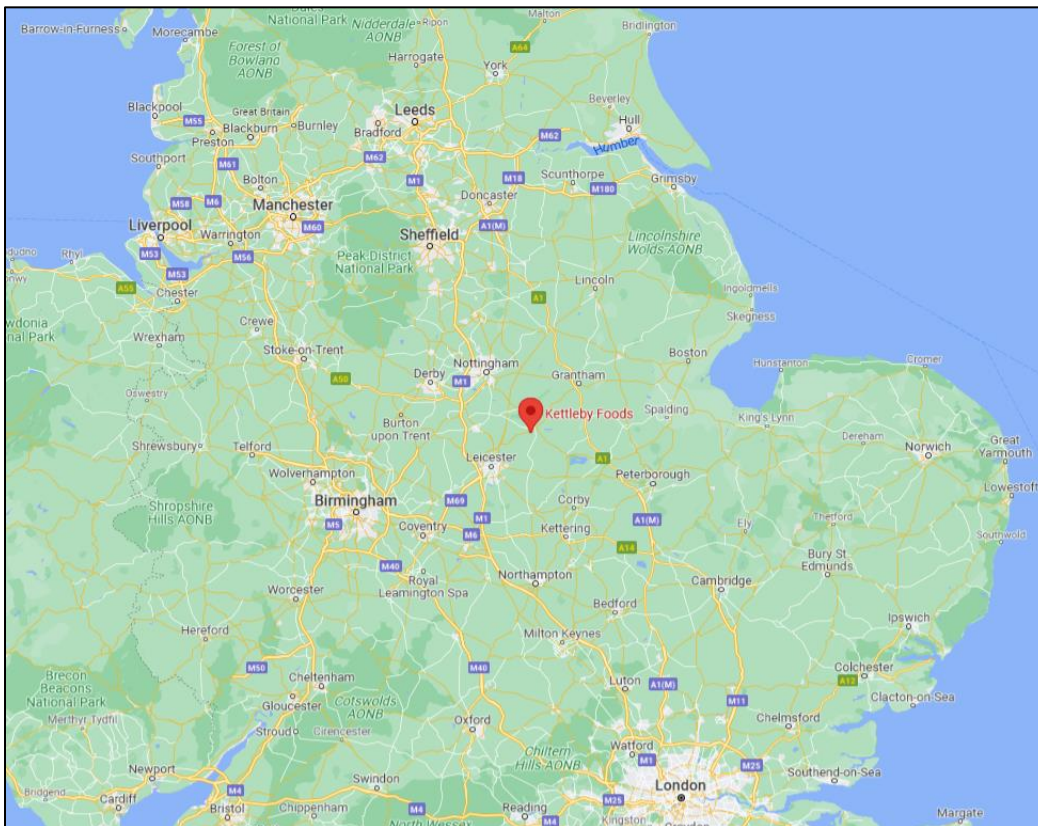


Image sourced from Google Maps ©2024

## 1.4 SENSITIVE RECEPTORS

A search was carried out using the government website 'www.magic.gov.uk' as well as a nature and heritage conservation screen assessment obtained from the Environment Agency (EA). The site does not lie within a designated Area of Outstanding Natural Beauty (AONB), nor is it located within a declared Air Quality Management Area (AQMA). There are several Local Wildlife Sites (LWS) within 2km screening distance of the site. All other internationally designated ecological sites are situated beyond the EA's screening distances. The results of these searches are as follows:

- Ashfordby Hill LWS located 1.6km North-west of the Site;
- Eye Ash LWS located 1.7km North-west of the Site;
- Leicester Road Grassland LWS located 0.5km East of the Site;
- Melton Mowbray Railway Sidings LWS located 0.6km North-east of the Site;
- Bull Field LWS located 1.1km North-east of the Site;
- River Eye Site of Special Scientific Interest (SSSI) located 3.2 km East of the Site;
- Frisby Marsh Site of Special Scientific Interest (SSSI) located 4.4 km West of the Site;
- Rutland Water Site of Special Scientific Interest (SSSI), Special Protection Area (SPA) and RAMSAR Site located 17km South-east of the Site.

**Figure 1.4.1a Location of Ecological Sensitive Receptors**

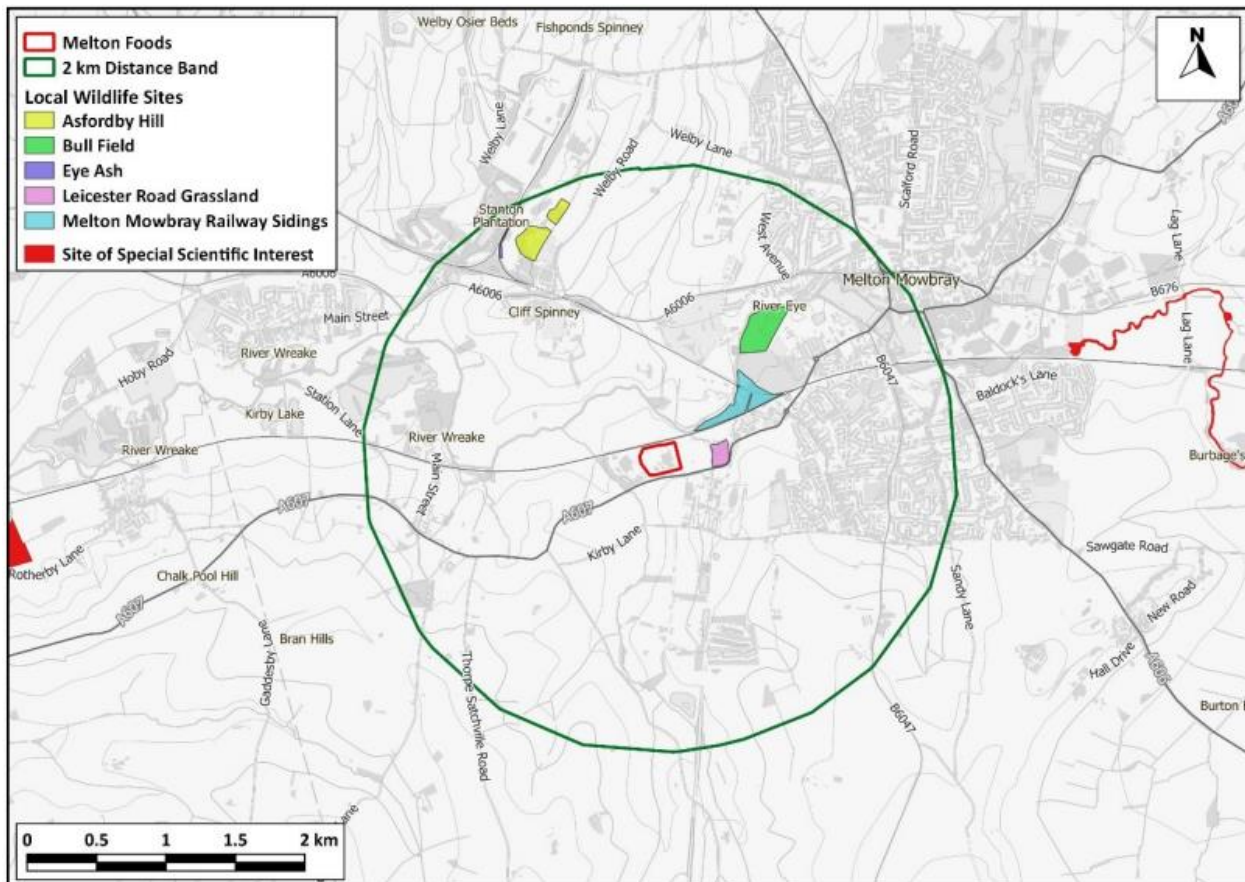


Image sourced from Air Quality Consultants Ltd AQA Report ©2024

There are also several human health sensitive receptors in close proximity to the site.

Table 1.4.1b below provides further details of all sensitive receptors considered within this permit application.

**Table 1.4.1b Sensitive Receptors**

No.	Receptor	Type	Distance (m)	Direction
1	2 White House Farm Cottages	Residential	430	SE
2	White House Farm	Residential	480	E
3	Leicester Road Grassland LWS	Ecological	500	E
4	Melton Mowbray Railway Sidings LWS	Ecological	600	E
5	44 Badger Avenue	Residential	620	ENE
6	40 Badger Avenue	Residential	625	ENE
7	45 Badger Avenue	Residential	770	NE
8	4 Bailey Crescent	Residential	880	E
9	8 Dobney Close	Residential	810	E
10	20 Gilbey Close	Residential	730	ESE
11	55 Main Street	Residential	810	ESE
12	42 Residential Street	Residential	900	SE
13	13 Managed Lane	Residential	970	SE
14	Bull Field LWS	Ecological	1100	NE
15	Ashfordby Hill LWS	Ecological	1600	NW
16	Eye Ash LWS	Ecological	1700	NW
17	6 Asfordby Road (Residential property within urbanized area with worst case highest baseline NOx concentrations)	Residential	2300	NE

## 1.5 EXISTING PERMITTED ACTIVITIES

The primary Schedule 1 installation activity as currently listed in the permit as follows:

- **A1 - Section 6.8 Part A(1)(d)(iii): (Melton Foods Production)** Treatment and processing, other than exclusively packaging, of the following raw materials, whether previously processed or unprocessed, intended for the production of food or feed (where the weight of the finished product excludes packaging) (iii) animal and vegetable raw materials (other than milk only), both in combined and separate products, with a finished product production capacity in tonnes per day greater than (aa) 75 if A is equal to 10 or more, where 'A' is the portion of animal material in percent of weight of the finished product production capacity.

The permit also has several Directly Associated Activities (DAAs):

- **A2 – Combustion Plant** – Operation of boilers to generate steam;
- **A3 – Combustion Plant** – Operation of hot water boiler;
- **A4 – Ovens** – Operation of ovens for the production of cooked foods;
- **A5 – Tray wash** – Operation of automated tray wash processes; and
- **A6 – Waste an by-product storage** – Storage of waste and by-products from the production of processed foods.

**Figure 1.5.1 Existing Permit Site Boundary**

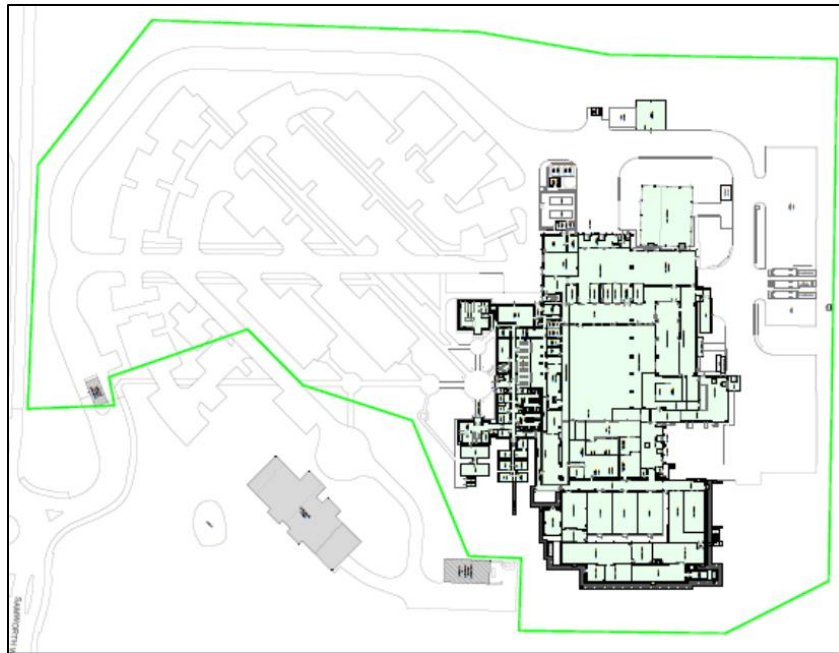


Image sourced from Permit EPR/GP3548QT

## **1.6 CHANGES PROPOSED TO EXISTING PERMIT**

The site was originally permitted in July 2017, and incorporated both Melton Foods and the adjacent production facility, Kettleby Foods. In May 2023 the permit was split into two (partial transfer), with each facility operating under their own permit. The need to split the permit in two was given priority over applying to vary the permitted activities at Melton Foods. The Operator is now applying retrospectively for their standalone permit to be updated to reflect recent changes to site and to correct historical omissions from the original permit.

The changes being applied for as part of this substantial variation application are as follows:

- Add an activity to the permit.  
The Operator wishes to retrospectively add the following activity to the permit: A3 – Section 5.4 Part A(1)(a)(ii): (Effluent Treatment Plant) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving one or more of the following activities, and excluding



activities covered by Council Directive 91/271/EEC concerning urban wastewater treatment (a) – (ii) physico-chemical treatment.

- Increase site throughput capacity.

Melton Foods are currently permitted a daily throughput of 97.6 tonnes per day. This variation seeks to reflect recent expansion operations, including the introduction of a new process line and increase in total capacity throughput. Daily throughput capacity is to be increased to a maximum of 169 tonnes per day;

- Add new point source emissions to air.

The existing emission sources associated with Melton Foods will all be retained (TP1 – 5), however, a new steam boiler (TP6), natural-gas fired tray wash and natural-gas fired oven are to be incorporated into the facility as part of this permit variation;

- Add a new ammonia treatment plant as a new Directly Associated Activity (DAA);
- Update site layout plan and emissions plan to reflect the above changes.

## 1.7 EXISTING ENVIRONMENTAL MANAGEMENT SYSTEM

The Environment Agency relies heavily upon the use of effective Environmental Management Systems (EMS) as a driver for environmental compliance and improvement.

Melton Foods Sites currently implements their own comprehensive Environmental Management Systems (EMS). The existing EMS remains effective and will not require any changes as a result of this variation application with the exception of the inclusion of updated supplementary documentation as submitted within this application. The existing management teams, staffing levels and systems in place will remain fit for purpose. Further details of the existing EMS are provided within Supplementary Information Report (ECCS 144 001 R 002 A SI Final).

Samworth Brothers Ltd will remain responsible for making all investment decisions with regard permitted activities across both sites and will remain as the company responsible for overall compliance with any relevant permit conditions, power to employ and dismiss the key staff, and will ensure that emergency procedures are followed should a serious incidents occur across either of the two sites.

## 1.8 NEW POINT SOURCE EMISSIONS

Table 1.8.1a below describes the new point source emissions to air from the new process lines, to be added to Table S3.1 of the permit.

*Table 1.8.1a New Point Source Emissions to Atmosphere*

Emission Point Reference	Source of Emission
TP6	New Steam Boiler
TP7	New Tray Wash
TP8	New Oven

1.8.1b describes the amendments to the existing point source emissions to sewer from discharges from the Effluent Treatment Plant, as referenced within Table S3.2 of the permit. The Emission point reference is to be updated as well from TP6 to TP9.

**Table 1.8.1b New Point Source Emissions to Sewer**

<b>Emission Point Reference</b>	<b>Source of Emission</b>
TP9 SK 73439 18136	Effluent Treatment Plant

The Operator has an existing Sewerage Discharge Consent from Severn Trent Water Plc.

The existing point source emission to surface water remains unchanged, however the Emission Point Reference Number is to be updated from TP7 to TP10.

## **1.9 ENVIRONMENTAL RISK ASSESSMENTS**

An Environmental Risk Assessment has been completed as part of the preparatory work undertaken to support this permit variation application. The assessments undertaken have followed relevant guidance specified within the Environment Agency's Risk Assessment Guidance.

A number of assessments have been considered to determine the environmental risks posed by the new activity, and to identify whether the level of risk is considered acceptable. The risk assessment does not assess existing activities that will remain unchanged, as these have already undergone assessment and are authorised under the existing permit.

The principal potential environmental impacts from the proposed new effluent treatment plant and from the expansion operations across the site are emissions to atmosphere and potential noise impact.

Detailed Air Quality Modelling has been undertaken to fully assess the emissions to air from all equipment and infrastructure associated with the proposed new process line.

Detailed Noise Impact Assessment has also been carried out to fully assess the potential for increased noise sources as a result of the changes across the site.

The risk assessments have concluded that the proposed activities will not result in an unacceptable impact on nearby sensitive receptors.

An Accident Management Plan has been prepared to ensure that all scenarios are considered, and procedures are provided in case of an abnormal or emergency situation associated with the new activity. This will be incorporated within the Operators' existing Emergency Preparedness & Response procedures and Crisis Management and Accident Management Plans.

## **1.10 OPERATING TECHNIQUES, BAT ASSESSMENT AND MONITORING PLAN**

Within the Supplementary Information Report (ECCS\_144\_001\_R\_002\_A\_SI\_Final) full details are provided of the operating techniques that will be implemented across the site to minimise and control

emissions from the proposed new activities and to demonstrate that the technology selection and control measures to be implemented follow Best Available Techniques (BAT).

Best Available Techniques (BAT) conclusions, under Directive 2010/75/EU of the European Parliament and of the Council, for the Food and Drinks Sector was published in 2019. Existing sites were required to demonstrate compliance (by 2023). All existing activities have already been considered against BAT as part of a separate study, prior to the compliance deadline of 2023. An updated BAT assessment has been submitted as part of this application for completeness.

### **1.11 SITE LAYOUT PLANS**

A number of drawings have been submitted in support of this variation application. These drawings include the following:

- Existing Permitted Site Boundary Plan;
- New Emissions Layout Plan;
- Process Flow Diagrams;
- P&ID Drawings; and
- Updated site Drainage Plan for the Site.

These drawings are contained within the Supplementary Information Report (ECCS 144 001 R 002 A SI Final).