

# Notice of variation and consolidation with introductory note

**The Environmental Permitting (England & Wales) Regulations 2010**

---

Tulip Limited  
Ruskington Food Manufacturing Installation  
Sleaford Road  
Ruskington  
Sleaford  
Lincolnshire  
NG34 9BL

**Variation application number**

EPR/UP3332HY/V004

**Permit number**

EPR/UP3332HY

# Ruskington Food Manufacturing Installation

## Permit number EPR/UP3332HY

### Introductory note

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

Under the Environmental Permitting (England & Wales) Regulations 2010 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made.

#### Purpose of this Variation

Odorous emissions from the site are mainly generated from the eight emission points associated with the eight frying lines (A8-A14, A35 and A36: Line 0), the spam and grill line (A20) and the in-line ovens (A21 and A22). Following the installation of a Regenerative Thermal Oxidiser (RTO) emission points A8-A14 and A20-A22 will be redirected to the RTO odour abatement plant and released via emission point A38 and so will no longer be classed as singular point source emissions under normal circumstances. As a result the aforementioned 'point source emissions' have been removed from the sites main emissions point plan ('Emission Points RTO on'). However they have remained active for emergency use only, following any breakdown of the RTO, and are included in an emergency plan ('Emission Points RTO off') and relabelled in table S3.1 as for emergency use only.

A new RTO is to be installed for use as odour abatement, resulting in a new emission point to air (A38). The emissions from the proposed RTO (A38) have been assessed using the AQMAU screening tool. The emissions did not screen out following the Environment Agency's H1 environmental assessment methodology and thus detailed modelling and further assessment was necessary. The results of the detailed modelling show that the emissions from the installed RTO are unlikely to cause an exceedance of any Environmental Standard for human health or Critical Level/Load at any ecological receptor.

Although the emissions from the RTO are unlikely to cause a negative impact alone, the impact assessment did not include the consideration of the air emission impacts from other NO<sub>x</sub> emissions on the installation and emission points A1-7, and A37 were not included. However, given the scale of the emissions, the impacts are not likely to result in exceedances at receptors. Despite this, an improvement condition (IC9) has been included into the permit which requires that a H1 assessment of all site emissions to air of NO<sub>x</sub> (A1-A7, A37 and A38) is submitted, to confirm.

The rest of the installation is unchanged and operations will proceed as follows:

The installation produces cooked meat products, (party snacks, sausages, scotch eggs). The factory is divided into distinct areas, Goods in, Preparation, Production, Packaging and Despatch, with a linear flow of materials through the process. Air emissions are predominantly from the eight small gas fired boilers used to heat water for cleaning purposes and the newly installed odour abatement system, a Regenerative Thermal Oxidiser. Treatment of process effluent is carried out on site, and the operator is the holder of a discharge consent with Anglian Water Limited. Uncontaminated surface water is directed to various surface water drainage ditch discharge points around the site.

There are no European Habitats or SSSI's within the screening distance of this installation. There are 3 non-statutory sites (Local Wildlife Sites) within 2 km of the installation, these are, Everdon Wood (1.9km), Haverholme Park (1.7km) and Leasington Wood (1.5km). Dorrington Osiers was included in the previous variation this is no longer a designated site. All process waters are discharged to sewer under licence. Only uncontaminated surface water from the installation is discharged to controlled waters.

Therefore, the emissions from this installation are unlikely to have a significant effect on any of these sites.

The schedules specify the changes made to the permit.

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

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application received EPR/UP3332HY/A001	Duly made 24/11/10	Application for a Food and Drink Installation.
Additional information received	14/01/11	Specification of the size of the boilers and submission of a plan showing the location of the emission points.
Permit determined EPR/UP3332HY	24/03/11	Permit issued to Tulip Limited.
Variation determined EPR/UP3332HY/V002 (Environment Agency initiated variation)	30/12/13	Environment Agency initiated variation to implement the changes introduced by the Industrial Emissions Directive.
Application EPR/UP3332HY/V003 (variation and consolidation)	Duly made 06/03/15	Application to update the permit to include a new processing line. The new processing line will result in the inclusion of two new emissions points. The permit has also been consolidated and updated the permit to modern conditions.
Additional information received	05/05/15	Response to Schedule 5 #1 notice providing a revised Odour Management Plan and appraisal of odour mitigation options.
Additional information received	28/05/15	Response to Schedule 5 #1 addressing outstanding issues.
Additional information received	09/06/15	Response to request for information providing further information relating to the Odour Management Plan and an emission points plan.
Additional information received	24/07/15	Response to Schedule 5 #2 providing an odour modelling report and associated modelling files.
Additional information received	10/08/15	Response to Schedule 5 #2 notice providing a revised odour modelling report and associated modelling files that includes emissions from the new processing line and further model runs using latest odour monitoring data (Exova dataset).
Additional information received	18/09/15	Response to request for information providing an updated Odour Management Plan (v7.0), this is the final version upon issue of the variation.
Variation determined EPR/UP3332HY/V003 (Billing Ref. EP3633AX)	09/10/15	Varied and consolidated permit issued in modern condition format.
Application EPR/UP3332HY/V004 (variation and consolidation)	Duly Made 15/12/16	Variation to include a Regenerative Thermal Oxidiser to be used as odour abatement for the fryers, grill line and ovens.
Additional information received	13/01/17	Partial response to Schedule 5 Notice providing a revised BAT assessment for the RTO.
Additional information received	27/01/17	Partial response to Schedule 5 Notice providing a revised point source emissions plan.
Variation determined EPR/UP3332HY/V004 (Billing Ref: CP3238DT)	22/03/17	Varied and consolidated permit issued.

End of introductory note

# Notice of variation and consolidation

## The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

### Permit number

**EPR/UP3332HY**

### Issued to

**Tulip Limited** (“the operator”)

whose registered office is

**Seton House**

**Warwick Technology Park**

**Gallows Hill**

**Warwick**

**CV34 6DA**

company registration number 00608077

to operate an installation at

**Ruskington Food Manufacturing Installation**

**Sleaford Road**

**Ruskington**

**Sleaford**

**Lincolnshire**

**NG34 9BL**

to the extent set out in the schedules.

The notice shall take effect from 22/03/2017

Name	Date
J Linton	22/03/2017

Authorised on behalf of the Environment Agency

## Schedule 1

Only the following conditions and permit tables have been varied by the consolidated permit EPR/UP3332HY as a result of the application made by the operator:

- Condition 2.5 – Pre-operational conditions
  - Deleted as pre-operational measure has now been satisfied
- Table S1.1 – Activities:
  - To amend a typing error in the activity description
- Table S1.2 – Operating Techniques to incorporate:
  - The relevant parts of the application;
    - Appendix 1 – Additional information,
    - Odour Management Plan v8.0,
    - RTO Document,
    - Table 3 – Technical Standards of Application Form C3.
  - Schedule 5 Responses;
    - revised emission point plans for ‘RTO on’ and ‘RTO off’,
    - further BAT assessment for RTO.
- Table S1.3 – Improvement Programme Requirements:
  - To amend condition IC5 to include a new deadline date,
  - To amend condition IC8 to read complete from V004 issue date,
  - To include condition IC9.
- Table S1.4 – Pre-operational measures
  - Deleted as pre-operational measure has now been satisfied
- Table S3.1 – Point Source Emissions to Air – Emission Limits and Monitoring Requirements:
  - to include the RTO emission point A38,
  - to amend the description of emission points A8-A14 and A20-22 to only be relevant during an emergency situation (following the breakdown of the RTO) due to them being redirected through the RTO and ultimately discharged through emission point A38.

## Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

# Permit

## The Environmental Permitting (England and Wales) Regulations 2010

### Permit number

**EPR/UP3332HY**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/UP3332HY/V004 authorising,

**Tulip Limited** (“the operator”),

whose registered office is

**Seton House  
Warwick Technology Park  
Gallows Hill  
Warwick  
CV34 6DA**

company registration number 00608077

to operate an installation at

**Ruskington Food Manufacturing Installation  
Sleaford Road  
Ruskington  
Sleaford  
Lincolnshire  
NG34 9BL**

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

Name	Date
J Linton	22/03/2017

Authorised on behalf of the Environment Agency

# 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 and those drawn to the attention of the operator as a result of complaints; and
  - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

## 1.2 Energy efficiency

- 1.2.1 For the following activities referenced in schedule 1, table S1.1 (A1 to A4 etc.) The operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
  - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
  - (c) take any further appropriate measures identified by a review.

## 1.3 Efficient use of raw materials

- 1.3.1 The operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
  - (b) maintain records of raw materials and water used in the activities;
  - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
  - (d) take any further appropriate measures identified by a review.

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

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
  - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
  - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

## **2 Operations**

### **2.1 Permitted activities**

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).
- 2.1.2 For the following activities referenced in schedule 1, table S1.1 (A1 to A3) waste authorised by this permit shall be clearly distinguished from any other waste on the site.

### **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 For the following activities referenced in schedule 1, table S1.1 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.

### **2.4 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;
  - (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 3.3.1 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.

## 4 Information

### 4.1 Records

4.1.1 All records required to be made by this permit shall:

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

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

### 4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 For the following activities referenced in schedule 1, table S1.1 (A1 to A3 ) 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:

- (c) any change in the operator's name or address; and
- (d) any steps taken with a view to the dissolution of the operator.

In any other case:

- (e) the death of any of the named operators (where the operator consists of more than one named individual);
- (f) any change in the operator's name(s) or address(es); and
- (g) 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

<b>Table S1.1 activities</b>			
<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity and WFD Annex I and II operations</b>	<b>Limits of specified activity</b>
A1	S6.8 A(1)(d)(i)	Treating and processing, other than exclusively packaging, of the following raw materials, whether previously processed or unprocessed, intended for the production of food or feed from –  (i) only animal raw materials (other than milk only) with a finished product production capacity greater than 75 tonnes per day.	From receipt of raw materials to storage and dispatch off site.
A2	S5.4 A(1)(a)(ii)	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 waste-water treatment by –  ii) physico-chemical treatment (D9).	From production of waste to storage and dispatch off site.
<b>Directly Associated Activity</b>			
A3	Operation of site utilities	Operation of site utilities for services steam raising, cooking of products and refrigeration systems.	Site utility and services within the installation boundary.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application EPR/UP3332HY/A001	Sections 1.2, 1.4, 1.6 and 1.8 of the application document in response to section 5a – technical standards, Part B of the application form.	24/11/10
Additional information	Received, regards boiler sizes and emission points	14/01/11
Application EPR/UP3332HY/V003	Responses to sections 3a, 3b, 3c and 3d of Part C3 of the application and all supporting information.	04/02/15
Additional information	Response to Schedule 5 #2 notice providing a revised odour modelling report and associated modelling files that includes emissions from the new processing line and further model runs using the latest odour monitoring data (Exova dataset).	10/08/15
Additional information	Response to request for information providing an updated Odour Management Plan (v7.0), this is the final version upon issue of the variation.	18/09/15
Application EPR/UP3332HY/V004	Odour Management Plan (v8.0) RTO document Appendix 1 – Additional Information	17/06/16
Additional information – partial Not Duly Made Request for Information Response	Application form C3, Table 3	03/10/16
Additional information – Partial response to Schedule 5 Notice	Further BAT assessment information for RTO	13/01/17
Additional information – Partial response to Schedule 5 Notice	Revised point source emissions plans ‘RTO on’ and ‘RTO off’	27/01/17

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>The operator shall carry out an assessment to include all tanks/vessels/containers used in normal and abnormal operation of the ETP, to ensure adequate bunding capacity, of 110% of the volume of the largest container, or 25% of the total volume of all the tanks, whichever is larger. In line with Sector Guidance Note S6.10 , 2.2.5.</p> <p>A written report should be submitted to the Environment Agency, the report shall include a timescale for implementation of any improvements and shall be agreed in writing with the Agency.</p>	Completed 12/07/12
IC2	<p>The operator shall carry out an assessment of the fresh oil and waste oil tank farm, to ensure adequate bunding capacity, of 110% of the volume of the largest container, or 25% of the total volume of all the tanks, whichever is larger, In line with Sector Guidance Note IPPC S6.10, Section 2.2.5.</p> <p>A written report should be submitted to the Environment Agency, the report shall include a timescale for implementation of any improvements and shall be agreed in writing with the Agency.</p>	Completed 12/07/12
IC3	<p>The operator should review the integrity of the dis-used diesel tank situated to the north west corner of the site.</p> <p>A report should be submitted to the Environment Agency reporting findings and actions taken to secure the tank integrity and prevent pollution.</p>	Completed 12/07/12
IC4	<p>The operator shall develop a written odour management plan having regard to the requirements set out in Section 3 of the Agency Technical Guidance note EPR S6.10, and Environment Agency Horizontal Guidance H4.</p> <p>The plan should be submitted to the Environment Agency for agreement.</p>	Completed 18/09/15
IC5	<p>The operator shall develop a written noise management plan having regard to the requirements set out in Section 3 of the Agency Technical Guidance note EPR S6.10, and Environment Agency Horizontal Guidance H3.</p> <p>The plan should be submitted to the Environment Agency for approval.</p>	22/06/17
IC6	<p>The operator shall complete an investigation of all drains within the installation boundary having regard to Section 3 of Environment Agency Guidance, How to comply with your Environmental Permit V3 2010.</p> <p>A report should be submitted to the Environment Agency, the report shall include a timescale for implementation of any improvements and shall be agreed in writing with the Environment Agency.</p>	Completed 03/11/11
IC7	<p>The operator shall carry out an assessment of the options available for reducing oxides of nitrogen (NOx) and carbon monoxide from the boilers / ovens.</p> <p>A summary of the assessment shall be sent to the Environment Agency in writing together with a timetable to implement any necessary changes identified.</p>	Completed 13/05/13
IC8	<p>The operator shall implement the preferred odour mitigation option for the installation as outlined in the Odour Management Plan (OMP). This shall be in accordance with the timetable in the OMP. The operator shall notify the Environment Agency of which option is being implemented before implementation commences and no amendments shall be made to the option or timetable for implementation without the prior written approval of the Environment Agency.</p>	Completed 22/03/17 – V004 issue date
IC9	<p>The operator shall submit a report of a <u>H1 risk assessment for emissions to air</u> of NO<sub>x</sub> for the point sources A1-A7, A37 and A38 (combined) at the site to the Environment Agency for approval. The report must include a programme of monitoring and the assessment must utilise actual site specific monitoring data, which has been sampled and monitored in line</p>	22/06/17

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<p>with Environment Agency guidance <u>M1: sampling requirements for stack emissions monitoring</u> and <u>M2: monitoring of stack emissions to air</u>, from all sources of NO<sub>x</sub> on site and must include (but is not limited to) emission points A1-A7, A37 &amp; A38.</p> <p>In the event that the assessment shows that an EQS can be exceeded, the report shall include proposals for further investigative work and dates for the implementation of individual measures.</p> <p>The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the plan.</p>	



## 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	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 / A2 Boiler House as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Main boiler plant (steam generating)	Oxides of Nitrogen	No limit set	-	Annual	-
A1 / A2 Boiler House as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Main boiler plant (steam generating)	CO	No limit set	-	Annual	-
A3-A6 & A37 Energy Centre as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Thermal Oil Boilers (x5)	Oxides of Nitrogen	No limit set	-	Annual	-
A3-A6 & A37 Energy Centre as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Thermal Oil Boilers (x5)	CO	No limit set	-	Annual	-
A7 Factory 2 as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Thermal Oil Boiler	Oxides of Nitrogen	No limit set	-	Annual	-
A7 Factory 2 as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Thermal Oil Boiler	CO	No limit set	-	Annual	-
A8-A14 Factory 1 as shown on the plan 'Emission points RTO off' submitted on 27/01/17 in support of application EPR/UP3332HY/V003	Fryers – only applicable under emergency situations due to RTO failure	Combustion gases	No limit set	-	-	-

<b>Table S3.1 Point source emissions to air – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
A8-A14 Factory 1 as shown on the plan 'Emission points RTO <b>off</b> ' submitted on 27/01/17 in support of application EPR/UP3332HY/V003	Fryers – only applicable under emergency situations due to RTO failure	VOCs	No limit set	-	-	-
A8-A14 Factory 1 as shown on the plan 'Emission points RTO <b>off</b> ' submitted on 27/01/17 in support of application EPR/UP3332HY/V003	Fryers – only applicable under emergency situations due to RTO failure	Particulates	No limit set	-	-	-
A15-A19 Factory 1 as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Fryer Room	No parameter	No limit set	-	-	-
A20 Factory 2 as shown on the plan 'Emission points RTO <b>off</b> ' submitted on 27/01/17 in support of application EPR/UP3332HY/V003	Spam & Grill Line – only applicable under emergency situations due to RTO failure	VOCs	No limit set	-	-	-
A20 Factory 2 as shown on the plan 'Emission points RTO <b>off</b> ' submitted on 27/01/17 in support of application EPR/UP3332HY/V003	Spam & Grill Line – only applicable under emergency situations due to RTO failure	Particulates	No limit set	-	-	-
A21 / A22 Factory 2 as shown on the plan 'Emission points RTO <b>off</b> ' submitted on 27/01/17 in support of application EPR/UP3332HY/V003	In-Line Oven – only applicable under emergency situations due to RTO failure	VOCs	No limit set	-	-	-
A21 / A22 Factory 2 as shown on the plan 'Emission points RTO <b>off</b> ' submitted on 27/01/17 in support of application EPR/UP3332HY/V003	In-Line Oven – only applicable under emergency situations due to RTO failure	Particulates	No limit set	-	-	-

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

<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
A23-A27 as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Rotary Ovens (x5) decommissioned	VOCs	No limit set	-	-	-
A23-A27 as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Rotary Ovens (x5) decommissioned	Particulates	No limit set	-	-	-
A31 as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Bowl Wash	VOCs	No limit set	-	-	-
A32 as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Crate Wash	VOCs	No limit set	-	-	-
A33 as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Rack Wash	VOCs	No limit set	-	-	-
A34 as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Seasoning Room	Particulates	No limit set	-	-	-
A35 and A36 Line Zero Fryer – extract A as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Line Zero Fryer	Combustion gases	No limit set	-	Annual	-
A35 and A36 Line Zero Fryer – extract A as shown on the plan 'Emission points RTO on' submitted on 27/01/17	Line Zero Fryer	VOCs	No limit set	-	-	-

<b>Table S3.1 Point source emissions to air – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Source</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
in support of application EPR/UP3332HY/V004						
A35 and A36 Line Zero Fryer – extract A as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	Line Zero Fryer	Particulates	No limit set	-	-	-
A38 as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	RTO	Oxides of Nitrogen	No limit set	-	Annual	-
A38 as shown on the plan 'Emission points RTO on' submitted on 27/01/17 in support of application EPR/UP3332HY/V004	RTO	CO	No limit set	-	Annual	-

<b>Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Parameter</b>	<b>Source</b>	<b>Limit (incl. unit)</b>	<b>Reference Period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
W1 on site plan in schedule 7 – outfall at eastern site boundary, un- named drain runs through site, flows to Ruskington Beck and then River Slea	Visible oils, fats and grease	Runoff from site	-	-	Monthly	Visual Inspection

<b>Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements</b>						
<b>Emission point ref. &amp; location</b>	<b>Parameter</b>	<b>Source</b>	<b>Limit (incl. Unit)</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
S1 on site plan in schedule 7 emission to Anglian Water Anwick Sewage Treatment Works	-	-	-	-	-	-

## Schedule 4 – Reporting

<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Emissions to air Parameters as required by condition 3.5.1	A1-A7, A37 and A38	Every 12 months	1 January
Emissions to water Parameters as required by condition 3.5.1	W1	Every 12 months	1 January

<b>Parameter</b>	<b>Units</b>
Total product produced	tonnes

<b>Parameter</b>	<b>Frequency of assessment</b>	<b>Units</b>
Waste disposal and/or recovery	Annually	tonnes

<b>Media/parameter</b>	<b>Reporting format</b>	<b>Date of form</b>
Air	Form Air 1 or other form as agreed in writing by the Environment Agency	24/03/11
Water and Land	Form Water 1 or other form as agreed in writing by the Environment Agency	24/03/11
Waste	Form Waste 1 or other form as agreed in writing by the Environment Agency	09/10/15
Other performance indicators	Form Performance 1 or other form as agreed in writing by the Environment Agency	09/10/15

# Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

## Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

<b>(a) Notification requirements for any 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</b>	
<b>To be notified within 24 hours of detection</b>	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

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



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

<b>Time periods for notification following detection of a breach of a limit</b>	
<b>Parameter</b>	<b>Notification period</b>

<b>(c) Notification requirements for the detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

## Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

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

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by 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.

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

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

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

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

“UKAS” – United Kingdom Accreditation Service.

“year” means calendar year ending 31 December.

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

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

in relation to emissions from 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.

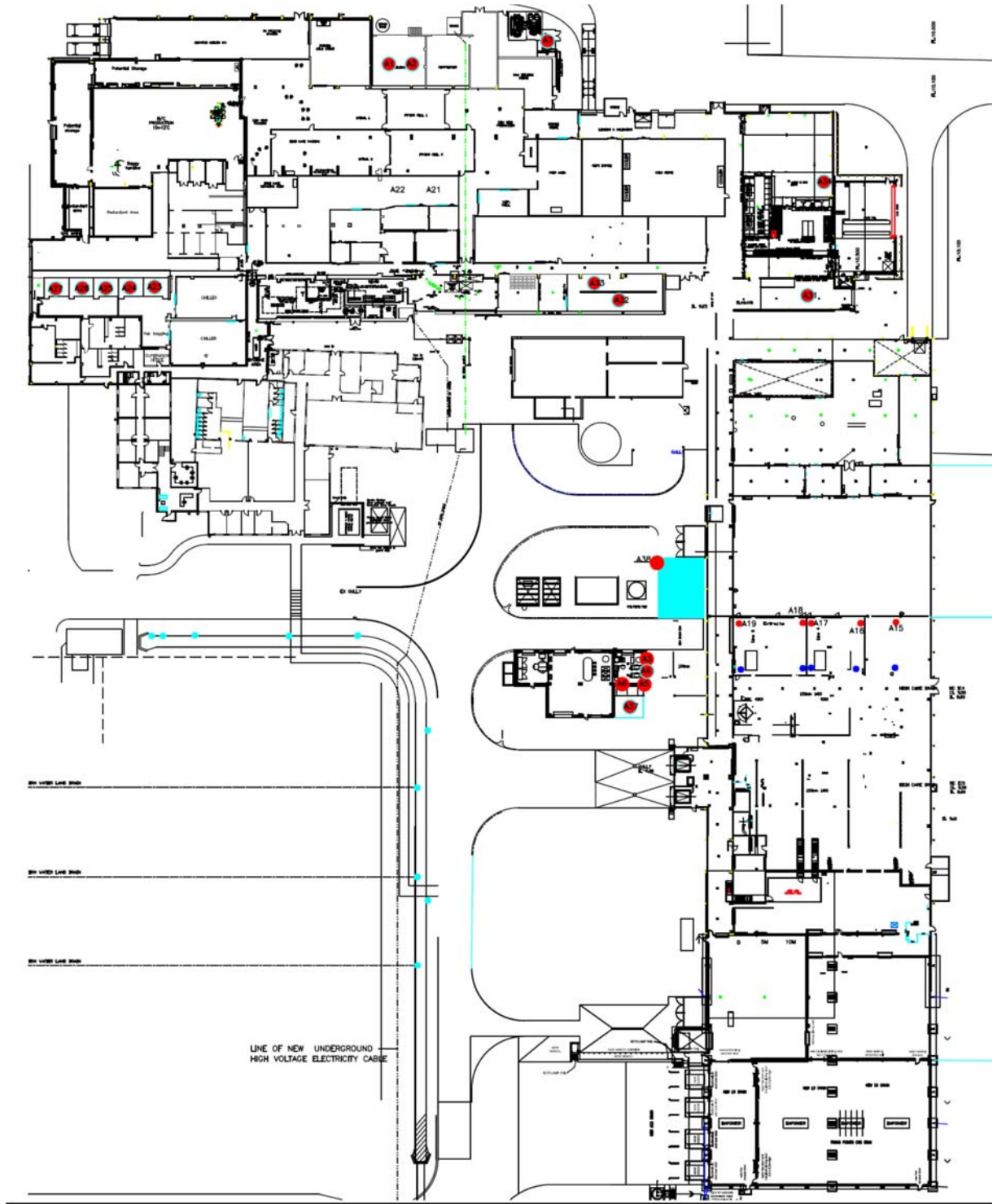
# Schedule 7 – Site Plan

Installation Boundary Plan



“©Crown Copyright. All rights reserved. Environment Agency, 100024198, 2015.”

Emission Points to Air Plan, RTO on



END OF PERMIT

**Permit Number:** UP3332HY                      **Operator:** Tulip Limited

**Facility:** Ruskington Food                      **Form Number:** Air1 / 24/03/11  
**Manufacturing**

**Reporting of emissions to air for the period from DD/MM/YYYY to DD/MM/YYYY**

<b>Emission Point</b>	<b>Substance / Parameter</b>	<b>Emission Limit Value</b>	<b>Reference Period</b>	<b>Result <sup>[1]</sup></b>	<b>Test Method <sup>[2]</sup></b>	<b>Sample Date and Times <sup>[3]</sup></b>	<b>Uncertainty <sup>[4]</sup></b>
A1 – A7, A37 and A38	Oxides of nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	No limit set	Annually				
A1 – A7, A37 and A38	Carbon monoxide	No limit set	Annually				

1. The result given is 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, the result is given as the 'minimum – maximum' measured values.
2. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
3. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
4. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed .....

Date.....

(Authorised to sign as representative of Operator)

**Permit Number: UP3332HY Operator: Tulip Limited**

**Facility: Ruskington Food Manufacturing Form Number: Water1 / 24/03/11**

**Reporting of emissions to water (other than to sewer) and land for the period from DD/MM/YYYY to DD/MM/YYYY**

<b>Emission Point</b>	<b>Substance / Parameter</b>	<b>Emission Limit Value</b>	<b>Reference Period</b>	<b>Result <sup>[1]</sup></b>	<b>Test Method <sup>[2]</sup></b>	<b>Sample Date and Times <sup>[3]</sup></b>	<b>Uncertainty <sup>[4]</sup></b>
W1	Visible oils, fats and grease	Not visible	Monthly				

1. The result given is 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, the result is given as the 'minimum – maximum' measured values.
2. Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
3. For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
4. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed .....

Date.....

(Authorised to sign as representative of Operator)

**Permit Number: UP3332HY**

**Operator: Tulip Limited**

**Facility: Ruskington Food Manufacturing**

**Form Number: Waste1 / 09/10/15**

**Reporting of waste disposal and recovery for the year for the period from DD/MM/YYYY to DD/MM/YYYY**

Waste Description	Disposal		Recovery Tonnes
	Route	Tonnes	
<b>TOTAL WASTE</b>			

Trends Disposal and Recovery		
Year	Total Waste	Waste per tonne of product

Operator's comments

Signed .....

Date.....

(authorised to sign as representative of Operator)

**Permit Number: UP3332HY**

**Operator: Tulip Limited**

**Facility: Ruskington Food Manufacturing**

**Form Number: Performance1 / 09/10/15**

**Reporting of other performance indicators for the period DD/MM/YYYY to DD/MM/YYYY**

<b>Parameter</b>	<b>Units</b>
Total product produced	Tonnes

Operator's comments:

Signed .....

Date.....

(Authorised to sign as representative of Operator)